# TRANSACTION REPORT

AUG-01-2003 FRI 01:03 PM

FOR: OIL, GAS & MINING

801 359 3940

DATE START RECEIVER	TX TIME	PAGES TYPE	NOTE	M# DP
AUG-01 12:57 PM 14356377361	6′ 03″	20 SEND	OK	693

TOTAL:

6M 3S PAGES: 20



# State of Utah DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt Governor Lowell P. Braxton Division Director 1594 West North Temple, Suite 1210 PO Box 145801 Salt Lake City, Ltah 84114-5801 801-538-5340 801-359-3940 (Fax) 801-538-7223 (TDD)

# DIVISION OF OIL, GAS AND MINING FACSIMILE COVER SHEET

DATE:	8-1-03		
FAX #:	435-637-7361		<u> </u>
ATTN:	Tony wright	* Presite 8/5/03	
COMPANY: DEPARTMENT:	Diof		
1			
	ES: (INCLUDING THIS ONE)	19	,
FROM:	Jisha Cordova		

84	1	MOAB - ARC	HES - I	LA SA	AL AREA
	Ali	uvium, colluvium	0-100	0.0.	
		al & eolian deposits	0-200	9 %	0.6 m.y. ash beds
	Geyser	Creek Fanglomerate	0-600	00.0	3
⊢		Diorite & monzonite por		+++	25-28 m.y. Ar/Ar
	- dik	es, sills, laccoliths of La Upper shale Mbr	0-500 +	- <del> </del> - <u>-</u>	intrusive contact
	Mancos	Ferron Ss Mbr	0-100		)
II.	Shale	Lower Shale Mbr	300-500	重(	
🔀	D	akota Sandstone	0-200		Prenadente newberry
		irro Canyon Fm	80-250	1-3	
	Morri-	Brushy Basin Mbr	250-450	2:2	dinosaur bones
	son	Salt Wash Member	130-350	2000	
12	Fm	Tidwell Member	20-100		formerly Summerville  J-5 unconformity
JRASSIC	Entrada	Moab Tongue	50-180	17.411	J-5 unconformity white caprock ARCHES NAT'L PARK
<b>₩</b>	Ss	Slick Rock Mbr Dewey Bridge M	200-500 40-240		Page Ss locally
12	N:	avajo Sandstone	0-550	<del></del>	J-2 unconformity
1 ,		yenta Formation	140-300		DEAD HORSE POINT
		ngate Sandstone	150-450	+	vertical cliffs
<b>-</b>		Siltstone member	150-300		)
	Chinle	Black ledge	0-150		manganese coating
12	Fm	Limy member	0-50		
FRIASSIC		Claystone mbr Moss Back Mbr	0-100 0-50	==(	_
\( \frac{1}{2} \)		Upper slope mbr	230	127	Tr-3 unconformity MEMBERS IN CASTLE VALLEY
1 2	Moen-	Ledge-forming m	260	国	140' - Pariott Mbr
1	kopi Fm	Sinbad Ls Mbr	0-60	-1-1-	380' - Sewemup Mbr 220' - All Baba Mbr
1	Hook	Lower slope mbr	100-200	135	220' - Tenderfoot Mbr
	11088	White Rim Ss	0-100 0-250	+	Permian ? tar sands
]		Organ Rock Sh	0-300	الم المسيد	
ĺ		Cedar Mesa			CANYONLANDS
z	Cutler Group	Sandstone	0-1200	- < ?	NAT'L PARK
PERMIAN		Arkosic facies			Arkosic facies is not a
\		Arkosic facies of Cutler Group is derived from the	400 0000	. (	separately named map unit
ER		Uncompangre Uplift to the east and interfingers	400-3000	E=={	but forms the undivided lower part of the Cutler
<sup>C</sup>	1	with both the Cedar Mesa and Elephant Canyon Fms		3 = -	Group at Moab
		Elephant Canyon Fm		$\Rightarrow$	Elephant Canyon Fm is exposed along Colorado R
		(formerly called Rico	0-1500	=2:	south of Potash plant. Fossils include corals.
<u> </u>		facies of Cutler)			bryozoans, brachiopods and fusuinids
					Honaker Trail Fm exposed
l		Honaker Trail	1500-2000		Fault near Arches Hdotr. Arkose, ss. & marcon
<u>-</u>		Formation			mudstone is interbedded with fossiliferous limestone
AP.					that contains corals & brachicoods.
PENNSYLVANI				2 Z Z	A I
\ <u>\</u>	Hermosa	Paradox Fm		_+++	
[	Group			LXX.	
SY		(cyclic sequence of salt, anhydrite,	2000-5000	7+7+	potash & salt
Z		potash, black shale, dolomite		三土土	Salt from the Paradox Fm
E		and locally arkose)		= +=	has been mobilized into elongate masses up to
ď				===	15,000 ft thick which
				-XX	have formed the salt anticlines in this region
		Pinkerton Trail Fm	0-150		Anthia: /pirifer
	Molas Formation		0-100	===	_
Σ		dville Dolomite	300-600	77	Oil tanes in
DEV		ray Limestone ert Formation	0-150	<u> </u>	Listen and Big f at oil
		McCracken Ss M	100-200 25-100		fielas
		-		<u> </u>	unconfermity
₽	"Ly	nch Dolomite	800-1000	$\rightarrow$	, [
[A]				/-	
		ht Angel*Shale	0-100	===	ļ
$\vdash$	15114	abias amaica	100-300		

Schist, gneiss, granitic and pegmatite dikes and plugs 1700 m.y. gneiss MAPS WITH TEXT--Williams, 1964; Doelling, 1985; Huntoon et al. 1975. Carter & Gualtieri, 1965; QUATERNARY.Biggar et al. 1981; Nash & Smith, 1977; Coleman, 1983; Richmond, 1962. LACCOLITHS.-Hunt, 1958, 1983; CRETACEOUS-- Craig, 1981; JURASSIC--O'Sullivan, 1984; O'Sullivan & Pierce 1983; Kocurek, 1981; TRIASSIC--O'Sullivan
& MacLachlan, 1975; Stokes & Madsen, 1979; Gilland, 1979; O'Sullivan, 1157; Lupe, 1979; Shoemaker & Newman, 1959;
PERMIAN-Baars, 1975; Bohn, 1977; Terrell, 1972; Mack & Rasmussen, 1964. PENNSYLVANIAN-Mallory, 1972; Melton, 1972; Welsh & Sissell, 1979, MISSISSIPPLAN-Craig, 1972; DEVONIAN-Baars, 1972; CAMBRIAN-Lochman-Baik,
1972; PRECAMBRIAN-Tweto, 1977; Hedge et al., 1968; SALT ANTICLINES--Huntoon, 1982; McGill & Stranquist, 1979;
Reynolds et al., 1985; LISBON FIELD--Parker, 1981.

				ANDS		
Ø		Alluv	ium - dune sand	0-100	$\downarrow \sim \downarrow$	
	Morr		Brushy Basin Member	300-400		dinosaur bone
	Fm		Salt Wash Mbr Tidwell Member	200-400	J:}	
<b>(</b> )		Wa	anakah Formation	0-60	-	J-5 unconformity
SIC	afae 1p		ntrada Sandstone	220-350		ARCHES NAT'L PARK
AS	% č		Dewey Bridge Mbr	20-130		ANOTES NATE FARK
8	San Rafael Group		Page Sandstone	0-100	Times	L2 upperformity
2			Vavajo Sandstone		1	J-2 unconformity
	ayor Ip	- 1	vavajo Sandstone	250-450		rounded cliffs
	n G		Kayenta Fm	200-260	}	DEAD HORSE POINT
	Glen Cayon Group	W	ingate Sandstone	30-430		vertical cliff face  J-0 unconformity
			Church Rock Member	240-310	E E S	,
U	Chi	nle	Owl Rock M	70-120	+===	
SI	Fn	n	Petrified Forest M	50-100	<del></del>	bentonite
A			Moss Back Ss M	0-100	1	
<b>FRIASSIC</b>			Moody Canyon M	40-120	1	Tr-3 unconformity
H	Moen		Torrey Member	100-200		
۱ ا	Fn	n	Sinbad Ls Mbr	0-20	4	
		[	Black Dragon Mbr	0-230	[	Tr-1 unconformity
	ŀ	Ioskin	nini Sandstone	0-50		
		]	White Rim Ss	0-250	ال ــــــــــــــــــــــــــــــــــــ	
			Organ Rock Fm	0-400	F==-(	
,					1	Surface rock in
PERMIAN	<b>~</b>	. ]	Cedar Mesa	300-1000	}	The Needles area.
Ę I	Cuti Gro	- 1	Sandstone	300-1000	1.5	Interfingers eastward with arkosic beds
21	Gio	μp				within the Park
E		- 1	Elephant Canyon		<b>***</b>	Thickens and becomes
_		ł	and	400-1200		less limy towards
			Halgaito Fms			Uncompangre Uplift
			(time equivalent)			to the east
		ł				unconformity
ı						
			Honaker Trail	1000-1500		
			Formation	1000-1300		
$z_{\parallel}$			ļ			
SYLVANIAN	u.	<u> </u>			15	
$Z \mid$	Herm Grou		ļ			Oldest rocks exposed
>	00	۱ ۳				in Canyonlands, at river level in the
7		1				Gypsum Canyon area.
S			Paradox	500-4000	7	
41			Formation	300-4000	1.7.F	salt & potash
되					<i>,,,,,,,,</i>	interbedded with black shale and
4					**************************************	anhydrite
			ŀ		¥ * ×	
			Pinkerton Trail	200 200		
-		لِب	Formation	200-300		
<del>_</del> +		Mola	s Formation	0-100		00.
SSIW Leady		1 1	illa I i	100.000	H-71	Pre-Paradox rocks are known from
		Leadv	ille Limestone	400-600		wells and
-+-	<del></del>		av Limestono	100		from geophysical measurements
<u>ا</u> د	Ouray Limestone		100	2 7		
_+	Elbert Formation		re rormation	300		
3			Indiata 1		<del></del>	
			Individed er Cambrian	800.000	7	
1 2	dolo		limestone, & shale	800-900		
ž		, -	, a share		共	
۲ ۱	- 0	Brigh	t Angel"Shale	0.000	===	
PC CAMBRIAIN			cio Quartzite	0-200	=-=	
5 <i>\</i> \				100-200	7262	
		vietar	norphic rocks	-	<u> የ</u> ንንንን	

GEOLOGIC MAP - Huntoon et al. 1982; JURASSIC - Craig & Dickey, 1956; Wright & Dickey, 1978; TRIASSIC - Stew-art, 1971a; Blakey, 1974; Pipiringos & O'Sullivan, 1978; Lupe, 1984; O'Sullivan & Maclachlan, 1975; PERMIAN - Baars, 1975; PENNSYLVANIAN - Weish & Bissell, 19779; Szabo & Wengerd, 1975; SUBSURFACE - Rocky Mountain Associ-ation of Geologists Atlas, 1972, RIVER GUIDEBOOK - Baars & Molenaar, 1971.

1480 m.y. granite

	C r e t a c e o u s	Dakota Sandstone, Cedar Mountain Formation, Burro Canyon Formation	0 - 240 in northern Grand County 80 - 450 in La Sal area	Shale with fluvial sandstones. Mostly eroded in southern third of county.	Generally very low to low permeability except where faulted or fractured. Yields water to a few small springs.	Dakota Aquifer (plate 6)
			l			
M e s o z o i	Jur	Morrison Formation  Brushy Basin Member  Salt Wash Member  Tidwell Member	400 - 900	Continental deposits of mostly fluvial shale, siltstone, mudstone, and sandstone that contain a few beds of fresh water limestone.  Laminated, bentonitic mudstone and siltstone containing a few lenses of chert-pebble conglomerate and sandstone; usually variegated red, green, and purple color.  Fine- to medium-grained, sometimes-conglomeratic sandstone interbedded with mudstone; contains thin beds of calcareous and gypsiferous shale and has thin beds of limestone near the base of the member.  Fine- to medium-grained siltstone and sandstone; thin to medium bedding; gray limestone in thin beds and locally contains large white siliceous concretions.	The Brushy Basin Member has very low permeability and is usually a barrier to water movement except where faulted or fractured. Known to yield slightly saline water, less than 1 gpm, to one well.  Slightly permeable; yields small quantities of water to seeps and springs northwest of Moab. Yields saline water to one spring on South Mesa.  Moderately permeable; yields water to springs; a potential aquifer.	Confining Unit  Morrison Aquifer (plate 5)
	r a s s i	Summerville- Curtis Formation	100 - 400 in Green River area	Shale and siltstone of marginal-marine, tidal flat, and fluvial facies; calcareous and gypsiferous, laminated shale, siltstone, and very fine to fine-grained sandstone; contains an irregular zone of chert (and, locally, limestone) concretions near its top. Eroded in eastern part of county a Jurassic unconformity.	Very low to low permeability; a barrier to the movement of water except where faulted or fractured; a confining layer.	Confining Unit
		Entrada Sandstone Moab Member	290 - 920 in the Moab/La Sal area	Sandstones of shoreface, shallow-marine, coastal-dune, and continental-eolian facies.  Medium-grained, well-sorted, massive, cross-bedded sandstone believed to have been a coastal-dune complex.	Primarily a recharge unit, especially where fractured.	Entrada Aquifer (plate 4)
		Slick Rock Member Dewey Bridge	190 - 470 in the Green River and Cisco areas	Very fine- to medium-grained, massive, cross-bedded sandstone of eolian and possibly shallow-marine origin.  Poorly bedded, sandy siltstone, and silty sandstone	Principal water-yielding sandstone of the Entrada. Yields fresh water to seeps and springs, generally less than 5 gpm.  Confining unit. Low transmissivity and	

Era	System	Series	Group, formation, or rock unit	Maximum reported thickness (feet)	Description	Hydrologic characteristics <sup>1</sup> and significance	Aquiler system
M e s o 2 o i	C r c l a c c c v	Upper Creticeous	- Dakota Sundstone	250	The Dakota Sandstone includes continental deposits at the base and marine sediment at the top. The Dakota is quartzitic, sometimes conglumeratic, fluvial to nearshore marine sandstone that contains interbedded non-marine shale and thin beds of low-grade coal. The formation locally contains a coarse conglumerate at the base. The Dakota Sandstone underlies much of eastern San Juan County, but is typically not present west of Comb Ridge north of the San Juan River, or west of Desert Creek south of the San Juan River.	Generally very low to low permeability except where faulted or fractured. Ground water in the Dakota Sandstone usually is under water-table conditions, although in some areas, particularly where the Dakota is overlain by Mancos Shale or by clayey alluvium or colluvium, ground water may be under artesian conditions. Because the areaf distribution of the formation is fragmented, flow systems are local. The Dakota Sandstone and Burro Canyon Formation make up the D aquifer. Water in the D aquifer ranges from fresh to moderately saline. The Dakota Sandstone yields fresh to slightly saline water in most areas, but water may be more saline water in most areas, but water may be more saline where recharge has been in contact with Mancos Shale or with alluvium or colluvium derived from Mancos Shale. The Dakota Sandstone is a major source of potable water near Monticello and La Sal.	D isputer (place 12)
	\$	Lower Cretaceous	Cedar Mountain Formation/Burro Canyon Formation	200	The Cedar Mountain and Burro Canyon Formations are believed to be contemporaneous. The Cedar Mountain Formation is a fluvial deposit that consist of two members. The upper member is composed of swelling clay and mudstone containing many limestone nodules and a few scour-fill sandstone beds. The lower member, the Buckhorn Conglomerate Member, is a scour-and-fill sandstone that contains granule- to cobble-sized conglomeratic material. The Cedar Mountain interfingers laterally with and grades into the Burro Canyon Formation at about the present location of the Colorado River. The Burro Canyon is a fluvial deposit of quartzose sandstone and conglomerate interbedded with generally nonbentonitic siltstone, shale, and silty and sandy mudstone, that contains a few thin beds of limestone. These formations (usually the Burro Canyon) underlie much of eastern San Juan County, but are typically not present west of Comb Ridge north of the San Juan River, or west of Desert Creek south of the San Juan River.	Generally very low to low permeability except where faulted or fractured. The Cedar Mountain Formation is limited in areal extent; and thus, is hydrologically insignificant. Where the Burro Canyon Formation is water-bearing, ground water usually is under water-table conditions, though in some areas it is under artesian conditions. Because the areal distribution of the formation is fragmented, flow systems are local, and water quality is variable. The Burro Canyon Formation and the overlying Dakota Sandstone make up the D aquifer. The Burro Canyon Formation is a major source of potable water around Blunding and on the Suge Plain, east of Monticello.	

1 - 11

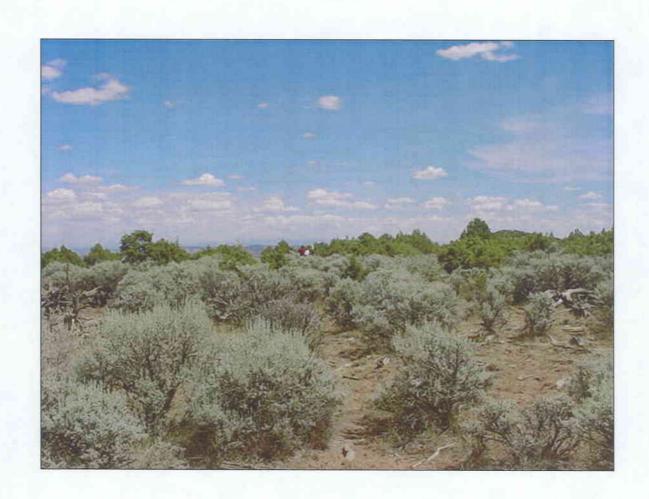
Era	System	Series	Group, formation, or rock unit	Maximum reported thickness (feet)	Description	Hydrologic characteristics <sup>1</sup> and significance	Aquifer system
M e s o z	J u r a s i c	Middle Jurassic	Entrada Sandstone Carmel Formation	550 (Entrada) 164 (Carmel)	The Entrada Sandstone is the shoreward, shallow-marine, coastal-dune, and continental-colian facies, and the Carmel Formation is the marine facies formed by a cycle of advance and retreat of an ancient sea. The Entrada Sandstone contains a topmost unit of medium-grained, well-sorted sandstone believed to have been a coastal-dune complex; a middle unit of very fine- to medium-grained, massive sandstone of colian and, possibly, shallow-marine origin; and a basal unit of poorly bedded, sandy siltstone and silty sandstone deposited in a shallow-marine environment. The Carmel is a silty shale, siltstone, and sandstone that contains gypsum and thin beds of limestone. The Carmel Formation thickens westward. The Carmel and Entrada typically underlie much of the area east of Comb Ridge and Nokaito Bench, but to the west, most of these formations have been removed by erosion except for scattered remnants near the Colorado River west of Navajo Mountain.	are barriers to the movement of water except where faulted or fractured. Permeability of samples from	N aquifer (plate 14)
c	T  f  i  a  s  s  i  c  (?)  and  J  u  r  a  s  i  c	Upper Triassic (?) and Lower Jurassic	Navajo Sandstone		underlying Kayenta Formation in southwestern Utah. The Navajo Sandstone locally contains beds of cherty, dolomitic, freshwater limestone that probably were deposited in playa lakes. Some geologists believe that the Navajo is a nearshore, shallow-marine, and coastal-dune complex deposit or a tidal-dominated shallow-marine shelf deposit. The Navajo Sandstone is thickest south of the San Juan River. The formation underlies most of the area east of Comb Ridge and east of R. 20 E., Salt Lake Base Line and Meridian, north of the Abajo Mountains; west of there, it has been removed by erosion except in areas west of Piute Creek and within a band 10 to 17 miles wide near the Colorado River, south of T. 35 S., Salt Lake Base	Low permeability. Permeability of samples of the Navajo Sandstone ranged from about 200 to 665 millidarcies. Wherever the Navajo is overlain by other formations, particularly the Carmel or Wanakah Formations, water in the Navajo usually is under artesian conditions. In the Blanding Basin, wells flow. The Navajo Sandstone is the major unit making up the N aquifer and is the major source of potable ground water in the county. Water from the formation generally is fresh to moderately suline, but south of T. 35 S., Sult Lake Base Line and Meridian, it may be very saline to briny locally	

I - 113

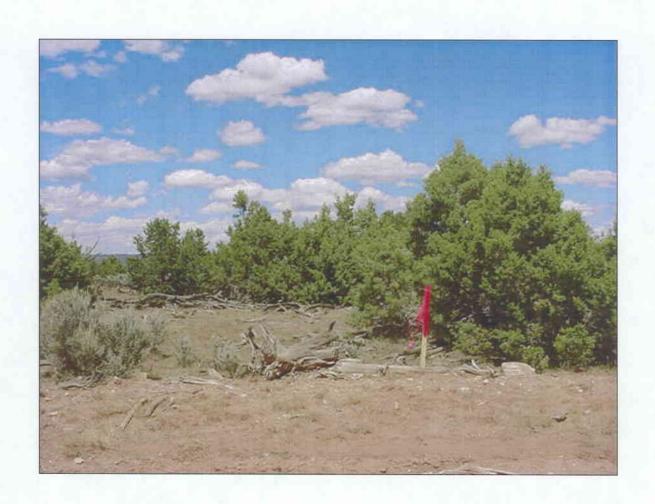
(NE View / 8-5-2003) Access off Existing County Road #1121 Big Indian 36-42 Sec 36, T29S, R24E 43-037-31827



(SW View / 8-5-2003) Big Indian 36-42 Sec 36, T29S, R24E 43-037-31827

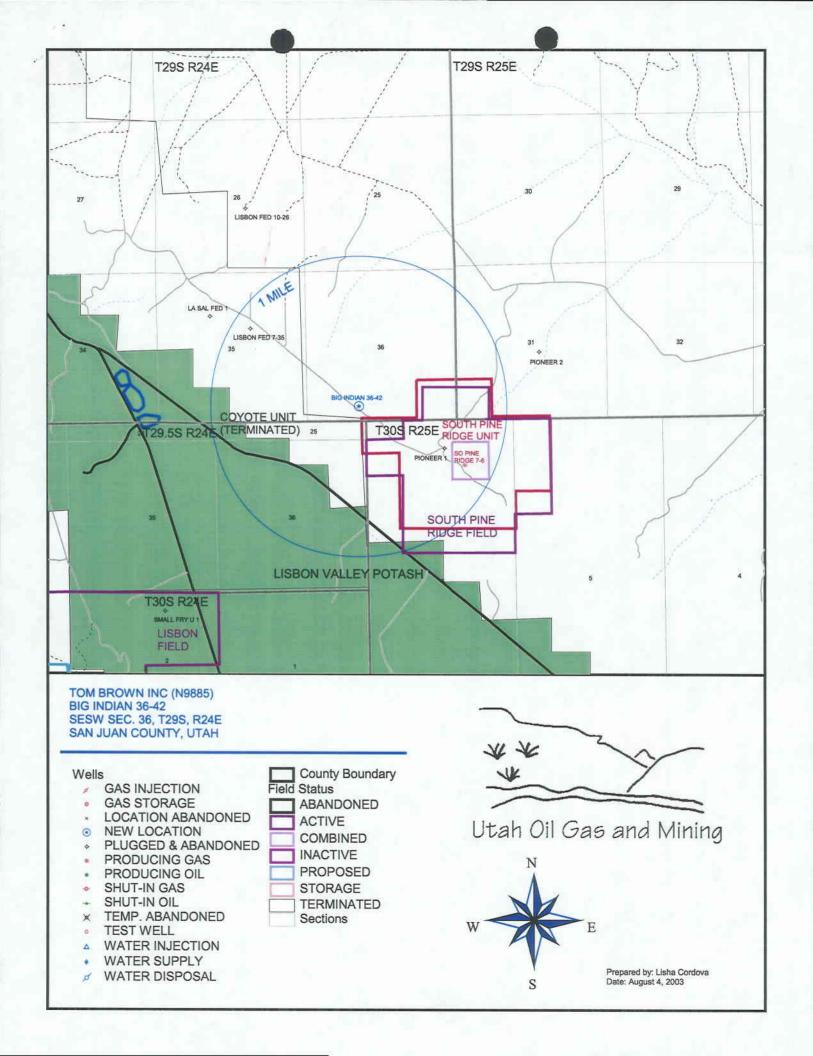


(East View / 8-5-2003) Big Indian 36-42 Sec 36, T29S, R24E 43-037-31827



(NW View / 8-5-2003) Big Indian 36-42 Sec 36, T29S, R24E 43-037-31827





P. 01

# TRANSACTION REPORT

AUG-01-2003 FRI 01:27 PM

OIL, GAS & MINING

801 359 3940

DATE	START	RECE I VER	TX TIME	PAGES	TYPE	NOTE	M#	DP
AUG-01	01:19 F	PM 14352593755	8′ 18 <b>″</b>	19	SEND	OK	697	, ,

TOTAL:

8M 18S PAGES: 19



# DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt Governor Lowell P. Braxton

Division Director

1594 West North Temple, Suite 1210 PO Box 145801

Salt Lake City, Utan 84114-5801 801-538-5340

801-359-3940 (Fax)

801-538-7223 (TOD)

# DIVISION OF OIL, GAS AND MINING FACSIMILE COVER SHEET

DATE:	lug. 1, 2003			
FAX #:	(435) 259-3755			
ATTN:	Jan Parminter		* Presite 8/5/03	
COMPANY:	SITLA	***		
DEPARTMEN	т:			
NUMBER OF	PAGES: (INCLUDING THIS ONE)	_19		
FROM:	Lista Cordova	<u>.,</u> .	<u>-</u> .	



14421 County Rd. 10 • Ft. Lupton, Colorado 80621 • (303) 857-9999 • FAX (303) 857-0577 • E-MAIL Permitco 1@aol.com

August 1, 2003

Division of Oil, Gas & Mining 1594 West North Temple, Suite 1210 Box 145801 Salt Lake City, UT 84114-5801

Attn: Lesha Cordova

Re:

Tom Brown, Inc.

Big Indian #36-42
553' FSL and 1813' FWL
SE SW Sec. 36, T29S - R24E
San Juan County, Utah
Lease No. ST-UT-37067

Dear Lesha,

Enclosed please find three copies of the A.P.D. for the above mentioned well.

If you should have any questions regarding the enclosed material, please don't hesitate to contact me. Your early approval of this application would be greatly appreciated.

Sincerely,

PERMITCO INC.

Lisa L. Smith Consultant for:

Tom Brown, Inc.

Enc.

cc: Tom Brown, Inc. - Denver, CO

Tom Brown, Inc. - Grand Junction, CO

Tom Brown, Inc. - Moab, UT

RECEIVED
AUG 0 4 2003

DIV. OF OIL, GAS & MINING

#### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

FORM	3
1 01 117	·

01	DIVISION OF	FOIL, GAS A	AND MINING			ght changes)
	APPLICATION FOR	PERMIT 1	TO DRILL		5. MINERAL LEASE NO.: ST-UT-37067	6. SURFACE:
1A. TYPE OF WOR	RK: DRILL 🚺 REENTER 🗆	DEEPEN			7. IF INDIAN, ALLOTTEE OR T	
B. TYPE OF WEL	.L: OIL GAS 🛣 OTHER		GLE ZONE 📉 MULTIPLE	ZONE	N/A 8. UNIT or CA AGREEMENT N/	AME:
2. NAME OF OPER	RATOR.	<del></del>		·	N/A	
Tom Brow					9. WELL NAME and NUMBER:	
3. ADDRESS OF C			PHONE NUMBER:		Big Indian #36-42  10. FIELD AND POOL, OR WIL	DCAT:
555 - 17th	Street, Suite 1850, Denver, CO 802	02	303/260-5000		Big Indian	
	WELL (FOOTAGES)	····	38. 23140		11. QTR/QTR, SECTION, TOW	NSHIP, RANGE
	42 3 2788 Y 45 497 4 X PRODUCING ZONE: SE SW	nd 1813' FWL	109. 22937		MERIDIAN: Sec. 36, T29S-R24E	E
14. DISTANCE IN	MILES AND DIRECTION FROM NEAREST TOWN OR	POST OFFICE:			12. COUNTY:	13. STATE:
Approxi	mately 37 miles southeast of Moab	. UT			San Juan	UTAH
15. DISTANCE TO	NEAREST PROPERTY OR LEASE LINE (FEET)		R OF ACRES IN LEASE:	17. 1	NUMBER OF ACRES ASSIGNED T	O THIS WELL:
	553'		638.96		40 Acres	
18. DISTANCE TO APPLIED FOR	NEAREST WELL (DRILLING, COMPLETED, OR C) ON THIS LEASE (FEET):	19. PROPO	OSED DEPTH:	20. E	BOND DESCRIPTION:	
	4100'		5,750'		Nationwide Bond N	o. ESO-183
21. ELEVATIONS	(SHOW WHETHER DF, RT, GR, ETC.):	1	XIMATE DATE WORK WILL STAF	RT: 23. E	STIMATED DURATION:	
	7097' GL		November 1, 2003		17 Days	
24.	PROP	OSED CASIN	IG AND CEMENTING F	ROGRA	Vi	
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT	TYPE, QUAN	ITITY, YIELD, AND SLURRY WEIG	нт
24"	16" Conductor	40'			Mix to surface	
12-1/4"	9-5/8", 36#, J-55, STC	2,200'	530 sx Premium Lt,	2.13 yield,	, 12.0# + 180 sx Type III,	1.41 yield, 14.5#
8-3/4"	5-1/2", 17#, K55, LTC	5,750'		640 sx Lt	HS, 1.82 yield, 12.5#	
			CONFIL	FNTIA	L-TIGHT HOLE	
				Semi V I I	The ITOLIC	
			.,.			
25.		A	TTACHMENTS			
VERIFY THE FO	LLOWING ARE ATTACHED IN ACCORDANCE WITH T	HE UTAH OIL AND	GAS CONSERVATION GENERAL	RULES:		
WELL PI	.AT OR MAP PREPARED BY LICENSED SURVEYOR (	OD ENOMEED	COMPLETE DRILL			
	CE OF DIVISION OF WATER RIGHTS APPROVAL FOR		- Som Cerebrat			
	DE OF DIVISION OF WATER RIGHTS APPROVAL FOR	RUSE OF WATER	FORM 5, IF OPER	ATOR IS PER	SON OR COMPANY OTHER THAN	THE LEASE OWNER
	ermitCo Inc. 14421 County Road 1	0, Fort Luptor	n, CO 80621		AGENT'S PHONE NO.:	303-857-999
NAME (PLEASE	PRINT) Lisa L. Smith		TITLE	Agent fo	or Tom Brown Inc.	
SIGNATURE	Disa Jula		DATE	August 1	1, 2003	
(This space for Sta	ate use only)					

43-037-31827

APPROVED BY THE STATE

APPROVAL:

RECEIVED AUG 0 4 2003 DIV. OF OIL, GAS & MINING

(11/2001)

(See instructions on Reverse Side)

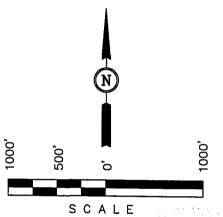
## T29S, R24E, S.L.B.&M. 24 25 S89°51'W - 80.11 (G.L.O.) 1915 Brass Cap 1.0' High, Loose Stones (G.L.O.) 2636.34" LOT 1 40.56 *M,, 61, 10.00* N N00.33 LOT 2 36 1915 Brass Cap 1.3' High (C.L.O.) LOT 3 40.15 100.00,16"W BIG INDIAN #36-42 LOT 4 1813 Elev. Ungraded Ground = 7097' 1915 Brass Cap 1.7' High, Pile T29S of Stones 5271.85' (Meas.) T29 1/2S N89°57'28"W Set Marked Stone. Pile of Stones. LEGEND: BASIS OF BEARINGS N-S Fenceline BASIS OF BEARINGS IS A G.P.S. OBSERVATION. = 90° SYMBOL (AUTONOMOUS NAD 83) = PROPOSED WELL HEAD. LATITUDE = $38^{\circ}13'54.64''$ (38.231844) = SECTION CORNERS LOCATED. LONGITUDE = $109^{\circ}13'48.31''$ (109.230086)

#### TOM BROWN INC.

Well location, BIG INDIAN #36-42, located as shown in the SE 1/4 SW 1/4 of Section 36, T29S, R24E, S.L.B.&M. San Juan County, Utah.

### BASIS OF ELEVATION

BENCH MARK (LA SAL 7207) LOCATED NEAR 1/4 CORNER ON THE WEST LINE OF SECTION 34, T29S, R24E, S.L.B.&M. TAKEN FROM THE SANDSTONE DRAW QUADRANGLE, UTAH, SAN JUAN COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7207 FEET.



#### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR REGISTRATION NO. 161319

# UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'		DATE SURVEYED: DATE DRAWN: 07-24-03 07-31-03		
PARTY J.F. A.F.	D.R.B.	REFERENCES G.L.O. PLA	\T	
WEATHER WARM		FILE TOM BROWN INC.		

# **CONFIDENTIAL - TIGHT HOLE**

Big Indian #36-42 553' FSL and 1813' FWL SE SW Section 36, T29S - R24E San Juan County, Utah

**Prepared For:** 

Tom Brown, Inc.

By:

PERMITCO INC. 14421 County Road 10 Fort Lupton, CO 80621 303/857-9999

CONFIDENTIAL-TICHTHOLE

# **Copies Sent To:**

- Utah Division of Oil, Gas & Mining SLC, UT
- 1 Utah Division of State Lands SLC, UT
- 3 Tom Brown, Inc. Denver, CO
- 1 Tom Brown, Inc. Grand Junction, CO
- 1 Tom Brown, Inc. Moab, UT

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AUG 0 4 2003

DIV. OF OIL, GAS & MINING



**CONFIDENTIAL - TIGHT HOLE** 

Lease No. ST-UT-37067

**DRILLING PROGRAM** 

Page 1

The proposed wellsite is located on State Surface/State Minerals.

# 1. <u>Estimated Tops/Geologic Markers</u>

The estimated tops of important geologic markers are as follows:

Formation	Depth	Subsea
Burro Canyon	Surface	
Entrada	75'	6,985'
Navajo	285'	6,775'
Kayenta	732'	6,328'
Wingate	862'	6,198'
Chinle	1,327'	5,733'
Cutler	2,198'	4,862'
Honaker Trail	3,240'	3,820'
Ismay	5,440'	1,620'
T.D.	5,750'	1,310'

# 2. <u>Estimated Depths and Names of Anticipated Water, Oil, Gas or Other Minerals Bearing Formations.</u>

Substance	Formation	Depth
Water	Entrada-Chinle	75' - 1,327'
Gas	Cutler	2,198'
Gas	Honaker Trail	3,240'
Gas	Ismay	5,440'

#### **CONFIDENTIAL - TIGHT HOLE**

Lease No. ST-UT-37067

**DRILLING PROGRAM** 

Page 2

# 3. Well Control Equipment & Testing Procedures

Tom Brown, Inc.'s minimum specifications for pressure control equipment are as follows:

Ram Type: Hydraulic double, 2000 psi w.p.

Tom Brown, Inc. will comply will all requirements pertaining to well control as listed in the Rule R649-3-7 of the Utah Division of Oil, Gas & Mining.

The size and rating of the BOP stack is shown on the attached diagram.

# 4. <u>Casing Program</u>

The proposed casing program will be as follows:

Purpose	Depth	Hole Size	O.D.	Weight	Grade	Туре	New/Used
Conductor	0 - 40'	24"	16"		_	_	New
Surface	0 - 2,200'	12-1/4"	9-5/8"	12 & 14.6#	J55	STC	New
Production	0 - 5,750'	8-3/4"	5-1/2"	17#12.7#	K55	LTC	New

Casing depths subject to revision based on geologic conditions encountered.

# 5. <u>Cement Program</u>

Conductor	Type and Amount
0 - 40'	Cement to surface with Redi Mix.
Surface	Type and Amount
0 - 2,200'	Lead: 530 sx Premium Lt, 2.13 yield, 12.0# Tail: 180 sx Type III, 1.41 yield, 14.5#
Production	Type and Amount
2,200' - 5,750'	640 sx Premium Lt HS, 1.82 yield, 12.5#



Lease No. ST-UT-37067

**DRILLING PROGRAM** 

Page 3

### 6. <u>Drilling Fluids</u>

The proposed circulating mediums to be employed in drilling are as follows:

Interval	Mud Type	Mud Wt.	Visc.	F/L
0 - 2,240'	Water	+/-8.5	+/-28	N/C
2,240' - 2,600'	Water	+/-8.5	+/-28	N/C
2,600' - 5,750'	LSND	+/-9.0	+/-34	+/-10

# 7. Testing, Logging and Coring

The anticipated type and amount of testing, logging and coring are as follows:

- a. No drill stem tests are anticipated.
- b. The logging program will consist of a Platform Express: Neutron Density, Laterolog, Gamma Ray and Caliper will be run from TD to 2,200'.
- c. No cores are anticipated.

# 8. Anticipated Pressures and H<sub>2</sub>S

a. No  $H_2S$  is expected. The maximum anticipated bottom hole pressure is 2473 psi.

#### 9. Water Source

a. All water used for the drilling of this well will be obtained from a pond at the Rattlesnake Ranch near Coyote Wash. This water source is permitted under Permit No. 05-570.

### 10. Other Information

a. Drilling is planned to commence on or before November 1, 2003.



#### **CONFIDENTIAL - TIGHT HOLE**

Lease No. ST-UT-37067

**DRILLING PROGRAM** 

Page 4

- b. It is anticipated that the drilling of this well will take approximately 17 days.
- c. Following drilling and completion, portions of the pad not needed for production facilities will be reclaimed. If the well is plugged and abandoned the entire well will be reclaimed as per the requirements of SITLA.
- d. A Class III Archeological Survey will be conducted by Four Corners Archeology. A copy of this report will be submitted to the appropriate agencies directly by Four Corners Archeology.



# TOM BROWN, INC.

**BIG INDIAN #36-42** 

LOCATED IN SAN JUAN COUNTY, UTAH SECTION 36, T29S, R24E, S.L.B.&M.

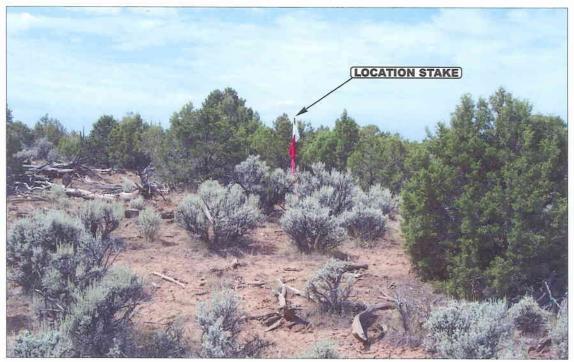


PHOTO: VIEW OF LOCATION STAKE

**CAMERA ANGLE: SOUTHWESTERLY** 



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

**CAMERA ANGLE: NORTHEASTERLY** 

РНОТО



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS 7 30 03

TAKEN BY: J.F. DRAWN BY: J.L.G. REVISED: 00-00-00

# TOM BROWN INC.

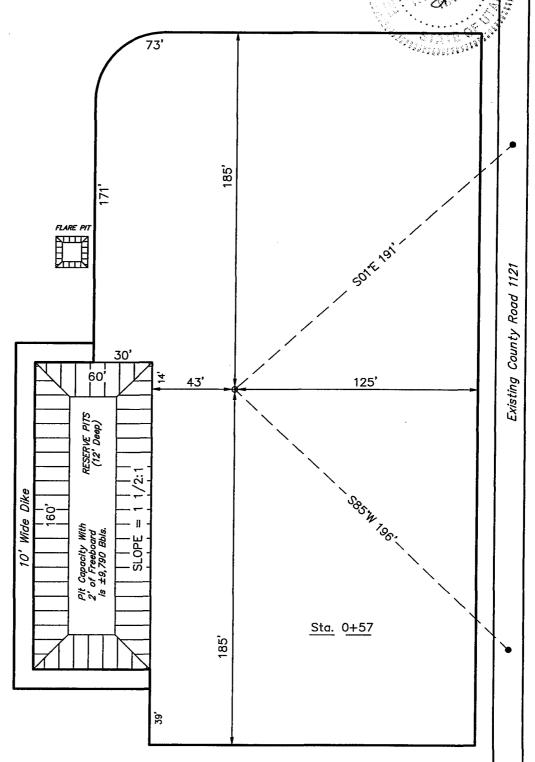


#### ADDENDUM TO LEGAL PLAT

BIG INDIAN #36-42 SECTION 36, T29S, R24E, S.L.B.&M. 553' FSL 1813' FWL

SCALE: 1" = 50' DATE: 07-31-03 Drawn By: D.R.B.

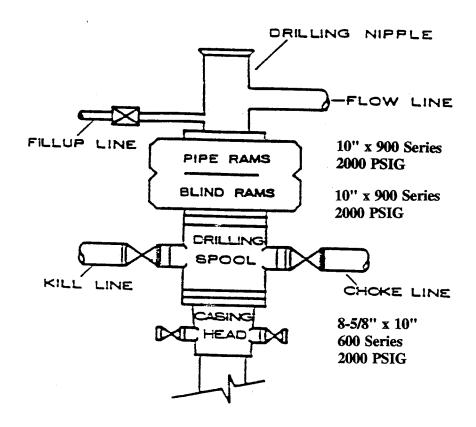
<u>NOTE:</u> Flare Pit is to be located a min. of 100' from the Well Head.

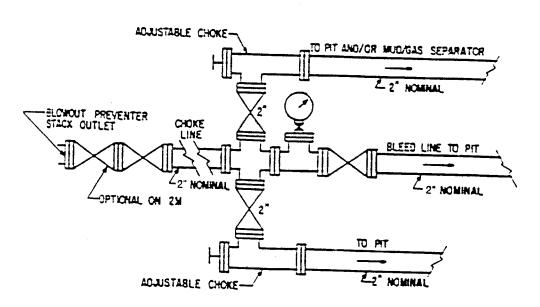


SURFACE USE OF LOCATION IS GRAZING, VEGETATION CONSISTS MAINLY OF SAGEBRUSH, PINION & GRASSES.

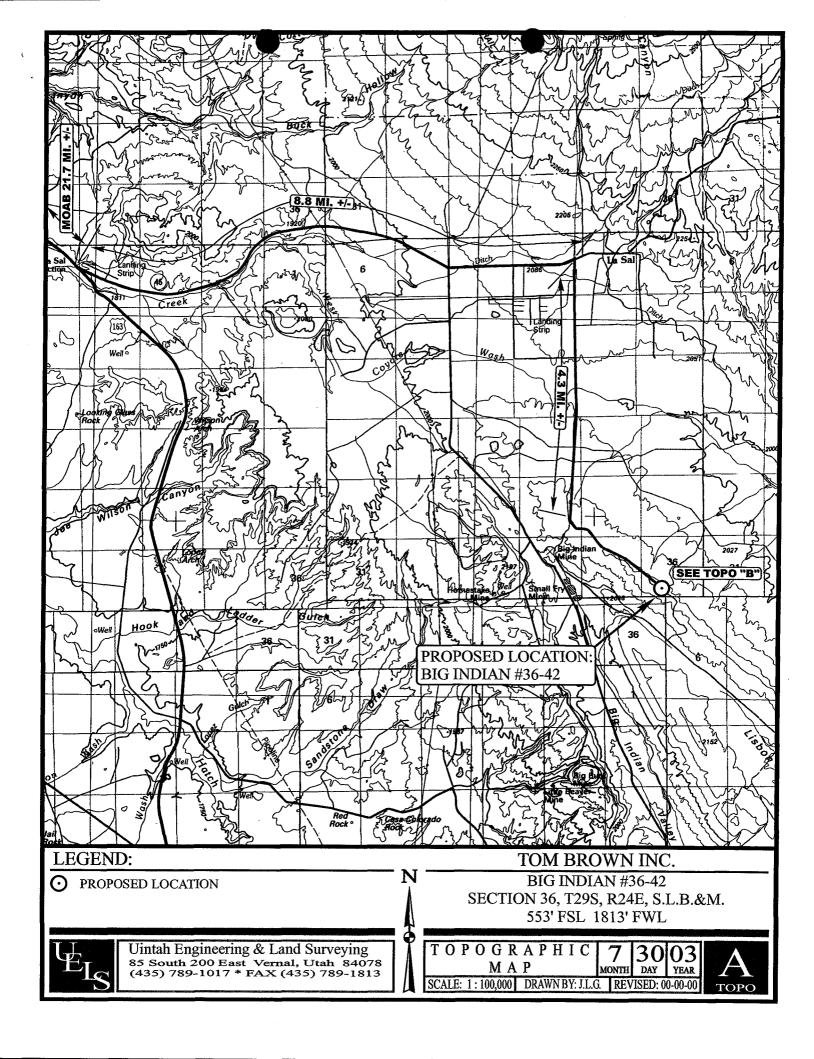
UINTAH ENGINEERING & LAND SURVEYING 85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

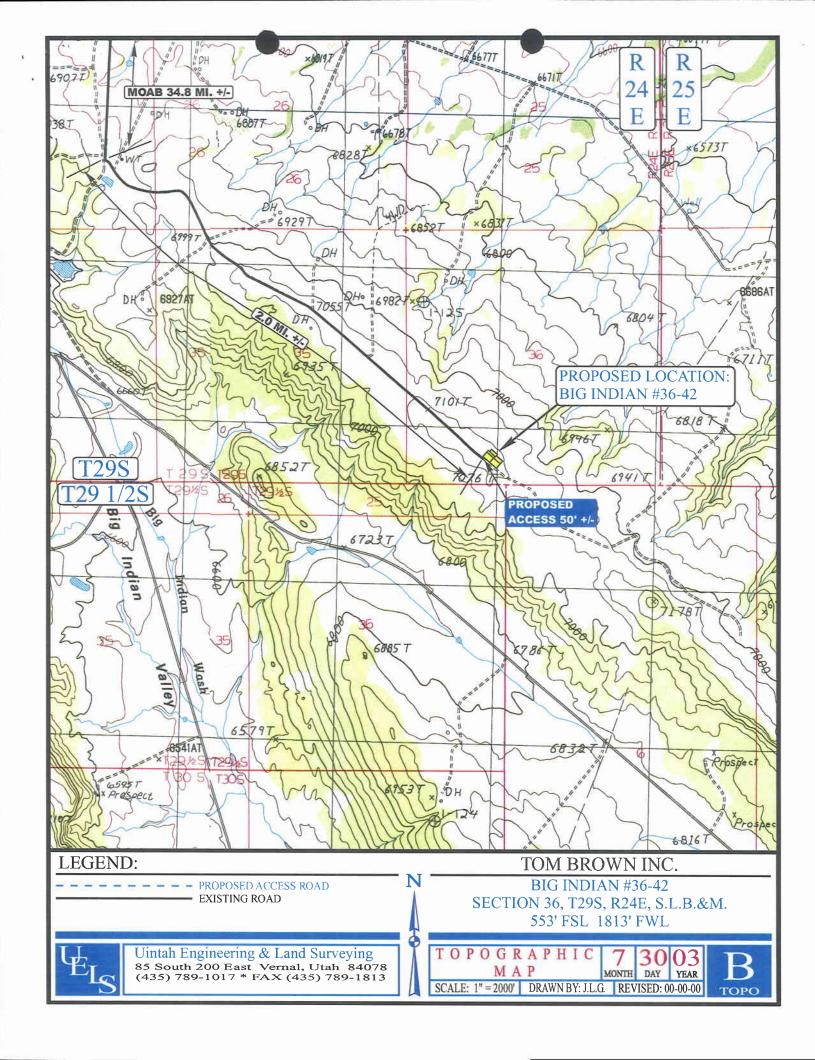
# BOP STACK 2,000 PSI

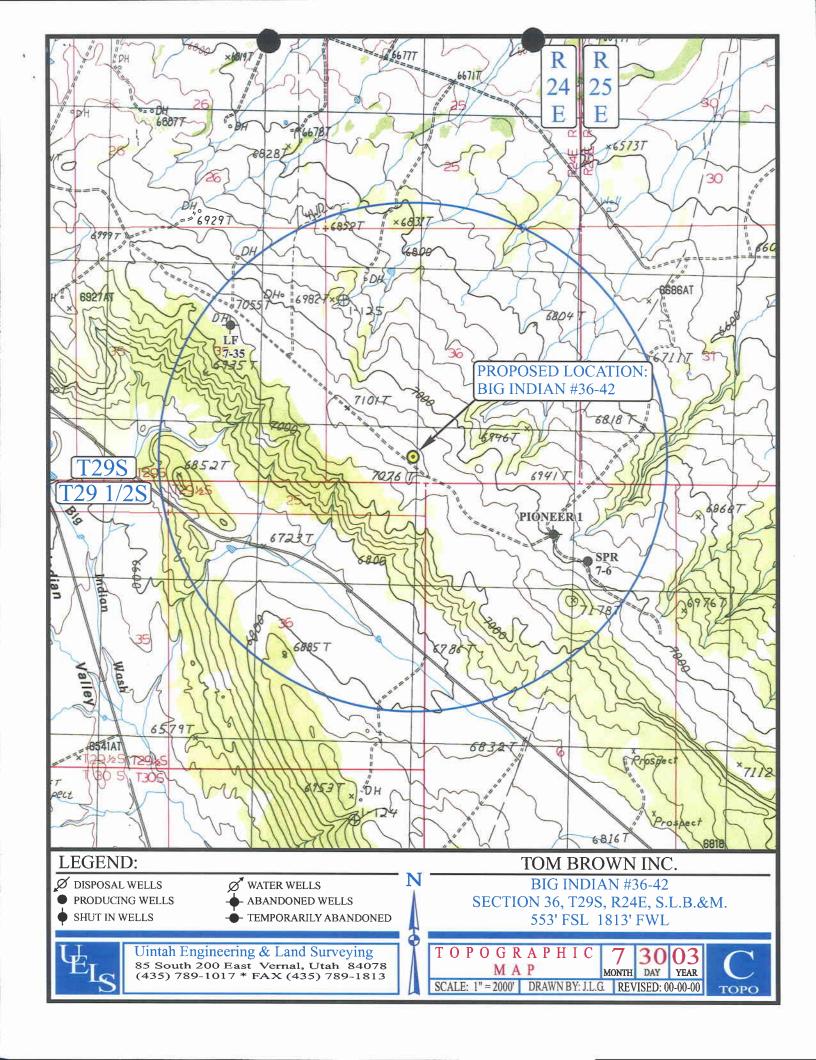


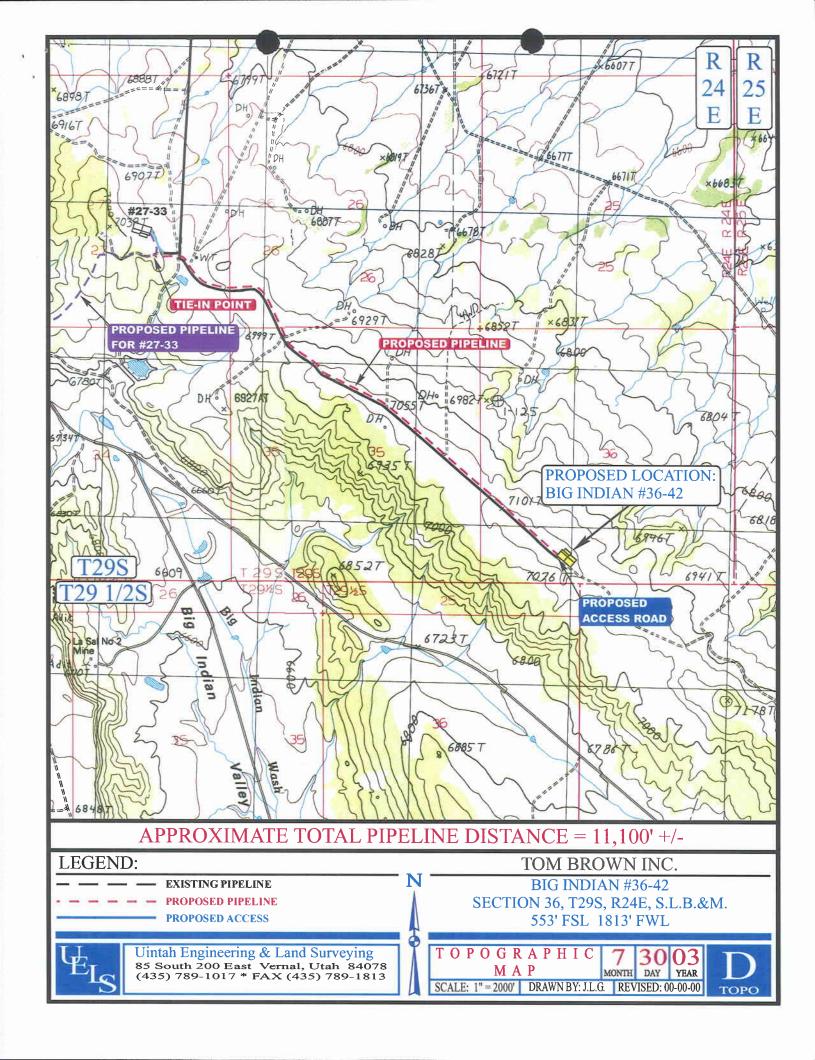


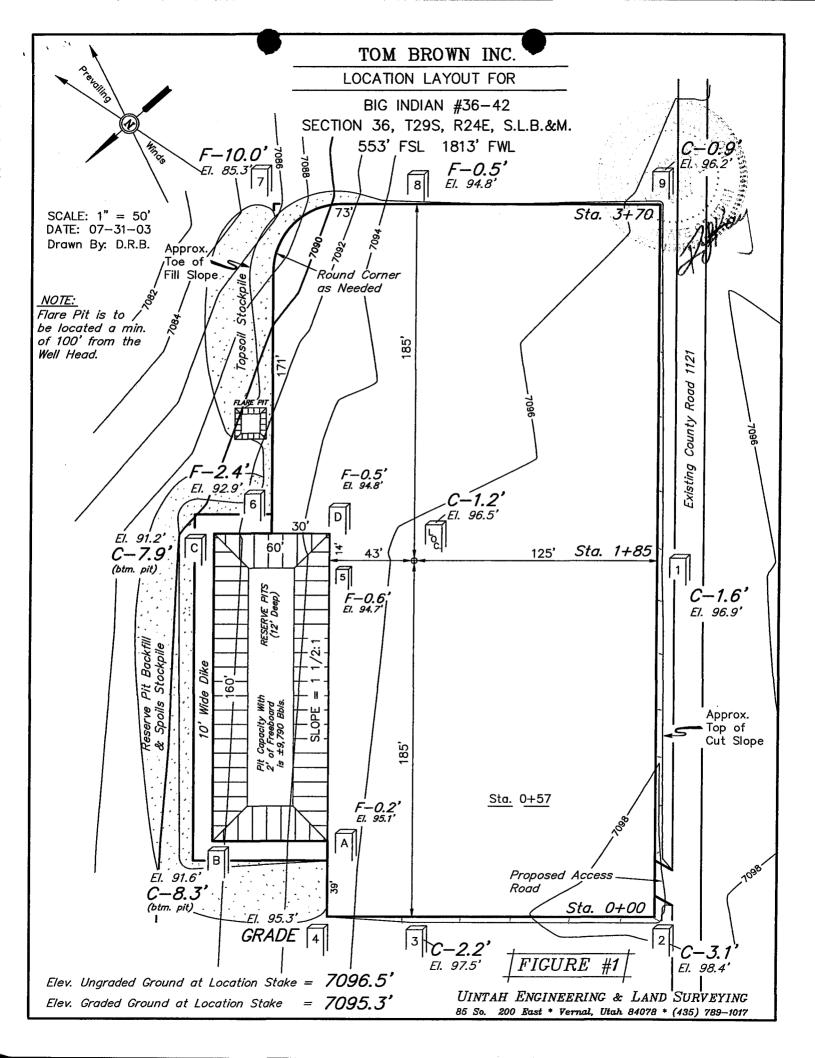
2,000 PSI CHOKE MANIFOLD







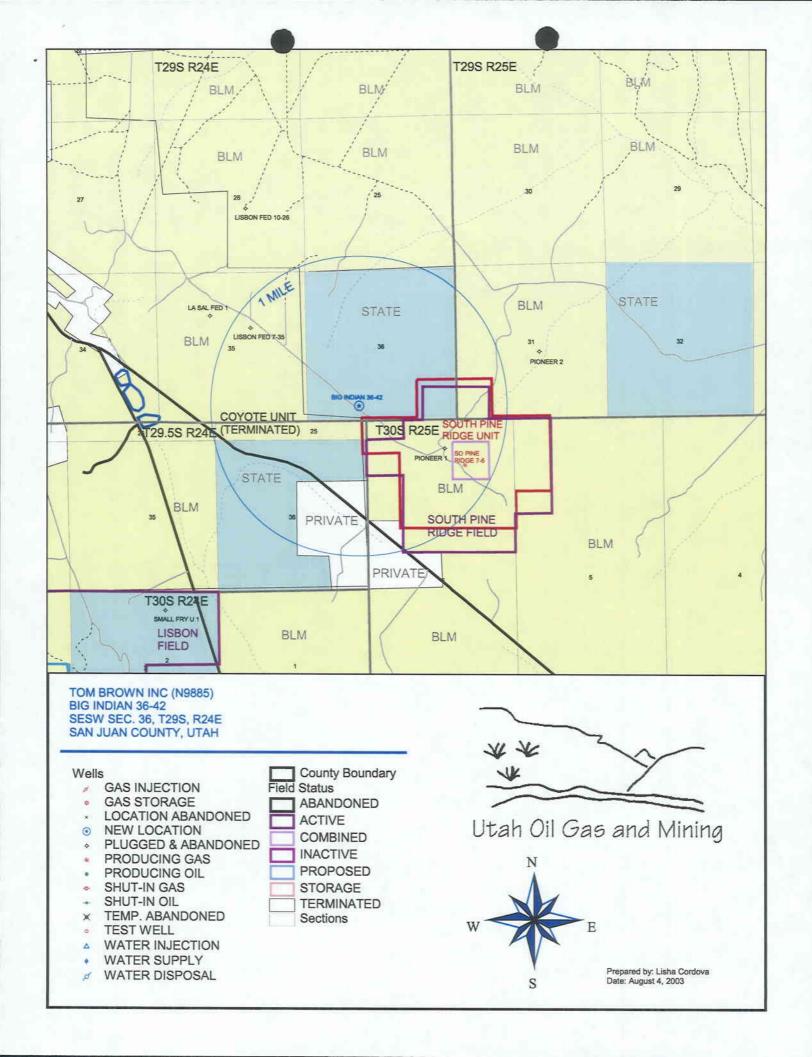




## TOM BROWN INC. TYPICAL CROSS SECTIONS FOR 20, BIG INDIAN #36-42 X-Section II. Scale SECTION 36, T29S, R24E, S.L.B.&M. 553' FSL 1813' FWL 1" = 50'DATE: 07-31-03 Drawn By: D.R.B. 125 73' Finished Grade CUT STA. 3+70 Preconstruction. Grade 125' 60' 43' LOCATION STAKE STA. 1+85 125' 60' 43' Slope= 1 1/2:1 STA. 0+57 (Typ.) CUT 125' 43' STA. 0+00 FIGUREAPPROXIMATE YARDAGES EXCESS MATERIAL AFTER 5% COMPACTION =2,820 Cu. Yds. (6") Topsoil Stripping = 1,470 Cu. Yds. Topsoil & Pit Backfill = 2,820 Cu. Yds. (1/2 Pit Vol.) Remaining Location = 3,890 Cu. Yds. **EXCESS UNBALANCE** Cu. Yds. TOTAL CUT = 5,360 CU.YDS. (After Rehabilitation) UINTAH ENGINEERING & LAND SURVEYING = 2,410 CU.YDS. FILL 85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

_				
7	WORK	SHEET		
APPLICATION	FOR	PERMIT	TO	DRILL

APD RECEIVED	: 08/01/2003	API NO. ASSIGN	ED: 43-037-318	27
OPERATOR:	BIG INDIAN 36-42  TOM BROWN INC ( N9885 )  LISA SMITH	PHONE NUMBER: 3	03-857-9999	
	ATION: 36 290S 240E 0553 FSL 1813 FWL	INSPECT LOCATN	I BY: /	/ Date
	0553 FSL 1813 FWL 0553 FSL 1813 FWL			
SAN JUAN		Engineering	DRO	8/21/03
UNDESIGNA	TED ( 2 )	Geology		
	3 - State	Surface		
	: ST-UT-37067	1.20T0TDD 20.0	21.60	
SURFACE OWNE.	R: 3 - State	LATITUDE: 38.2		
PROPOSED FOR	MATION: ISMY	LONGITUDE: 109.	22937	
Plat Bond: F (No. F N Potash N Oil Sh Water (No. C RDCC R (Date	ale 190-5 (B) or 190-3 or 190-13 Permit 05-570 )	R649-3-3. I Drilling Un: Board Cause Eff Date: Siting:	General rom Qtr/Qtr & 920' Exception it	Between Wells
***	Mords Trusite (Recd &			
2-5.	rface Casing Compact Sti	ρ		
3- PA	: Spacing Stop rface Casing Coment St., duction Cosing Coment St.	p ( to + 2200 ' as	proposed - ab	ove mod_Saline CW
	B			



# TRANSACTION REPORT

AUG-04-2003 MON 03:24 PM

FOR: OIL, GAS & MINING

801 359 3940

DATE START RECEIVER	TX TIME	PAGES TYPE	NOTE	* M# DP *
AUG-04 03:23 PM 3550922	1′ 11″	3 SEND	OK	727

TOTAL:

1M 11S PAGES:

3



# State of Utah DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210 PO Box 145801 Satt Lake City, Utah 84114-5801 801-538-5340 801-359-3940 (Fax)

801-538-7223 (TDD)

Michael O. Leavitt Governor Lowell P. Braxton Division Director

# DIVISION OF OIL, GAS AND MINING FACSIMILE COVER SHEET

DATE:	aug. 4, 2003		<del></del>
FAX #:	355-0922	All Market Williams	
ATTN:	Ed Bonner	* Presite 8/5/03	
COMPANY:	SITLA		
DEPARTMENT:			
NUMBER OF PAGES	: (INCLUDING THIS ONE)	3	,
FROM:	Lishe Cordore		

UTAH DIVISION OF WATER RIGHTS

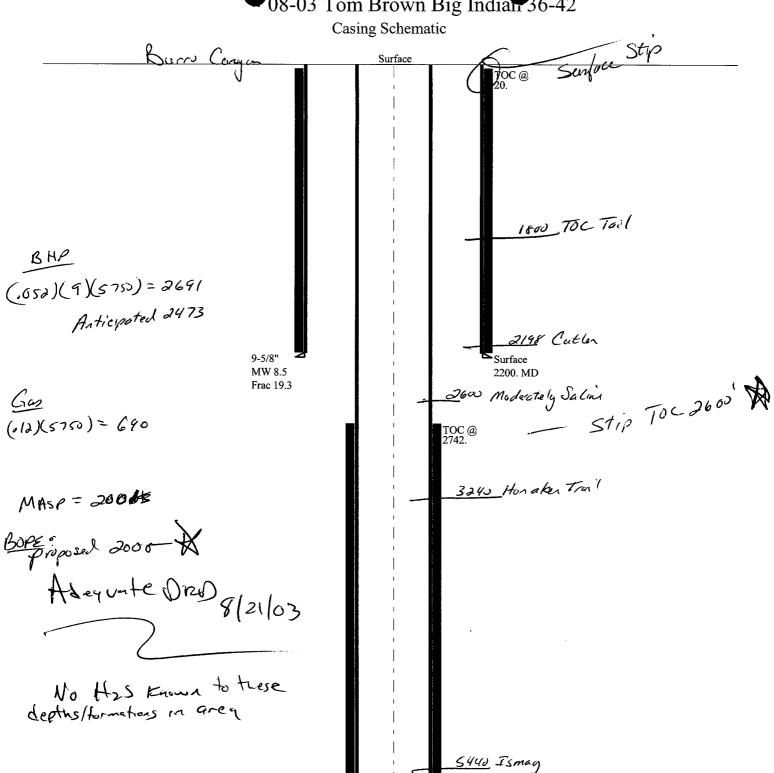
WATER RIGHT POINT OF DIVERSION PLOT CREATED THU, JUL 31, 2003, 9:34
PLOT SHOWS LOCATION OF 0 POINTS OF DIVERSION

PLOT OF AN AREA WITH A RADIUS OF 5280 FEET FROM A POINT N 0660 FEET, E 1980 FEET OF THE SW CORNER, SECTION 36 TOWNSHIP 29S RANGE 24E SL BASE AND MERIDIAN

PLOT SCALE IS APPROXIMATELY 1 INCH = 2000 FEET

NORTH

08-03 Tom Brown Big Indian 36-42



5-1/2"

MW 9.

Production

5750. MD

OPERATOR: \_\_\_\_\_ TOM BROWN INC. (N9885)

WELL NAME & NUMBER: BIG INDIAN 36-42

**API NUMBER:** 43-037-31827

LEASE: ST-UT-37067 FIELD/UNIT: UNDESIGNATED (002)

LOCATION: 1/4,1/4 SESW Sec: 36 TWP: 29S RNG: 24E 0553 FSL 1813 FWL

LEGAL WELL SITING: 460' FROM 1/4,1/4 LINE; 920' FROM ANOTHER WELL.

GPS COORD (UTM): X=654976 E; Y=4232788 N SURFACE OWNER: SITLA

#### **PARTICIPANTS**

Lisha Cordova (DOGM), Rick Costanza (Tom Brown Inc.), Lisa Smith (PermitCo Company), Robert Kay (Uintah Engineering & Land Surveying), Tony Wright (DWR), Rich McClure (BLM), and Mike Shumway (KSue Contracting). Ed Bonner (SITLA) was invited but did not attend.

#### REGIONAL/LOCAL SETTING & TOPOGRAPHY

The location is approximately 30 miles southeast of Moab off US 191 & Jct. 46 (La Sal) and will be located in the Canyon Rims Recreation Area in upper Lisbon Valley. The Manti La Sal National Forest is located to the North and Southwest. Colorado is approximately 10 miles East. The well site will be located next to an existing "dirt" county road #1121. The area is heavily wooded with live pinion, and dead trees that were chained down years ago. Tom Brown Inc. is also planning to drill two other gas wells in the area on Federal lands in offsetting sections.

#### SURFACE USE PLAN

CURRENT SURFACE USE: Recreation, cattle grazing, and wildlife habitat including deer, rabbits, coyote, rodents, birds, snakes, etc.

PROPOSED SURFACE DISTURBANCE: <u>Pad approximately 198'X370' with an attached 60'X160' reserve pit 12' deep with a capacity of 9,790 barrels including 2' of freeboard-its outer edge surrounded by a 10' wide dike. A 13'X13' flare pit will be located a minimum of 100' from the well head, same side as the reserve pit. Excess dirt material will be stockpiled behind reserve pit & dike, and next to flare pit behind dike.</u>

LOCATION OF EXISTING WELLS WITHIN A 1-MILE RADIUS: There are 2 plugged wells and one producing gas well within a one-mile radius of the proposed well. The producing gas well #7-6 is located within the South Pine Ridge Unit, operated by Pioneer Oil & Gas. It is the only producing well in the unit. The proposed Big Indian 36-42 well is 553' from the unit boundary. There are no water wells and no other water rights within a one-mile radius.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: Well head, flow lines, pump, separator and storage tank will be installed. Some oil production is anticipated. Tom Brown Inc. is also proposing a new pipeline. The tie-in point will be at a proposed well (Federal lands) in section 27. The pipeline will run southeast from the proposed well to the 36-42 well. The BLM was present at the onsite, and is aware of the proposed pipeline, and Tom Brown Inc. is in the process of getting approval for the pipeline through the appropriate agency(s).

SOURCE OF CONSTRUCTION MATERIAL: <u>From location</u>, <u>dirt contractor</u>, <u>and local source(s)</u>.

ANCILLARY FACILITIES: A trailer will be located east of well head during drilling, and will be removed when well is completed.

WASTE MANAGEMENT PLAN:

Portable chemical toilets will be emptied into the municipal waste treatment system; garbage cans on location will be emptied into centralized dumpsters, which will be emptied into an approved landfill. Drilling fluid, and completion/frac fluid will be removed from the pit upon completion of the well. Cuttings will be buried in the pit unless oil based mud is used. If oil based mud is used disposal of the cuttings should be discussed with the Division. Used oil from drilling operations and support will be hauled to a used oil recycling facility. Produced water will be disposed of at an approved facility.

#### ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: There are no floodplains, wetlands, or streams in this area.

FLORA/FAUNA: <u>Pinion</u>, <u>Sage Brush</u>, <u>Prickly Pear Cactus</u>, <u>Crested Wheat Grass</u>, <u>Cheat Grass</u>, and other native grasses.

SOIL TYPE AND CHARACTERISTICS: The surface soil is reddish-brown in color, moderately loose, sandy, and clayey, with scattered rock pebbles.

SURFACE FORMATION & CHARACTERISTICS: The Burro Canyon Formation is a fluvial deposit of quartzose sandstone and conglomerate interbedded with generally nonbentonitic siltstone, shale, and silty and sandy mudstone, that contains a few thin beds of limestone. Generally very low to low permeability except where faulted or fractured. Water-bearing, ground water is usually under water-table conditions, though in some areas it is under artesian conditions. Because the areal distribution of the formation is fragmented, flow systems are local, and water quality is variable-fresh to moderately saline. The Burro Canyon Formation and the overlying Dakota Sandstone make up the D aquifer. The Burro Canyon Formation is a major source of potable water around Blanding and on the Sage Plain, east of Monticello. The Dakota Sandstone is a major source of potable water near Monticello and La Sal.

EROSION/SEDIMENTATION/STABILITY: Stable, there are no visible signs of drainages or ditches at this site. The location is on relatively flat surface with a slight grade of approximately 3% in an easterly direction. The location will be built in mostly cut material. The area is heavily wooded. There are no cliffs or steep mountains in the near vicinity. The proposed site construction plans and the topographic layout of the area will prevent meteoric waters from entering the pit area & well pad.

PALEONTOLOGICAL POTENTIAL: None observed.

#### RESERVE PIT

CHARACTERISTICS: The reserve pit will be built in mostly cut. Depth of soil & hard rock underlying the pit is unknown at present. Will want to make sure liner is installed properly to avoid liner puncture(s). If pit is built in rock, geotextile or some other approved material will be required to underlay the liner. The pit will be 12' deep with a capacity of 9,790 barrels including 2' of freeboard-its outer edge

surrounded by a 10' wide dike, fenced on outer three sides.

LINER REQUIREMENTS (Site Ranking Form attached): 12 mils or higher.

#### SURFACE RESTORATION/RECLAMATION PLAN

SURFACE AGREEMENT: As per agreement with SITLA (surface owner).

CULTURAL RESOURCES/ARCHAEOLOGY: A Class III Archeological Survey was conducted by Four Corners Archeology. No cultural resources were found in the project area and no further management recommendations are necessary. A copy of the report will be submitted when done.

#### OTHER OBSERVATIONS/COMMENTS

Although there is no known H<sub>2</sub>S in the proposed producing formation (Ismay), the Division's Engineer will determine whether a H<sub>2</sub>S Contingency Plan is required. In addition, the Engineer will determine if the BOP stack needs to be increased from 2000 PSI to 3000 PSI. Tony Wright (DWR) stated that although there is little deer sign in the area, the proposed well is located within critical winter range for mule deer. DWR recommends there be no construction or drilling activity during December 1 to April 15. DWR is also going to determine a seed mixture for future site reclamation, and will provide the information to Tom Brown Inc. All trees & plants removed from the drill pad & pit area will be pushed east of drill pad, behind topsoil stockpile(s).

#### **ATTACHMENTS**

Photos of the location were taken at the onsite, see well file.

Lisha Cordova
DOGM REPRESENTATIVE

August 5, 2003 DATE

#### Evaluation Ranking Criteria and Ranking Score For Reserve and Onsite Pit Liner Requirements

Site-Specific Factors	Ranking	Site Ranking
Distance to Groundwater (ft) >200 100 to 200 75 to 100 25 to 75 <25 or recharge area	0 5 10 15 20	15
Distance to Surf. Water (ft) >1000 300 to 1000 200 to 300 100 to 200 < 100	0 2 10 15 20	0
Distance to Nearest Municipal Well (ft) >5280 1320 to 5280 500 to 1320 <500	0 5 10 20	0
Distance to Other Wells (ft) >1320 300 to 1320 <300	0 10 20	0
Native Soil Type Low permeability Mod. permeability High permeability	0 10 20	5
Fluid Type Air/mist Fresh Water < 5000 TDS TDS >5000 and <10000 TDS >10000 or Oil Base Mud Fluid containing significant levels of hazardous constituents	0 5 10 15 20	5
Drill Cuttings Normal Rock Salt or detrimental	0 10	0
Annual Precipitation (inches) <10 10 to 20 >20	0 5 10	5
Affected Populations <10 10 to 30 30 to 50 >50	0 6 8 10	0
Presence of Nearby Utility Conduits Not Present Unknown Present	0 10 15	0

Final Score 30 (Level I Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.
Sensitivity Level II = 15-19; lining is discretionary.
Sensitivity Level III = below 15; no specific lining is required.



475 W. Price River Drive, Suite C Price, UT 84501 435-636-026 **7** 

5 August, 2003

Presite Gas well Inspection - Tom Brown Inc.

Big Indian #36-42: This well is located within critical winter range for mule deer. We recommend there be no construction or drilling activity during December 1 – April 15. (UTM 12S NAD27 654976E. 4232788N).

People present:

Tony Wright – DWR Lisa Cordova – DOGM Lisa Smith – PermitCo Mike Shumway – KaySue Construction

Robert Kay - UEL Rich McClure - BLM

C: DOGM, PermitCo G:Habitat\Industry\Onsites\Comments\Tom Brown\_08\_05\_03

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DIV. OF OIL, GAS & MINING

Date..8\_06\_03..

Well Site. Big Indian #36-42....

# STABILIZATION PLANTINGS UPLAND PINYON-JUNIPER BIG SAGEBRUSH/GRASS COMMUNITIES

(12-16" PRECIP) )(LBS/AC. PLS)

SPECIES		Se	ed Mix Opt	ions
	<u>A</u> Sandy/ Shallow	B Clayey	<u>C</u> Sandy- Loam Deep	Comments This is a drill seed mix for temporary and final reclamation. Increase 20% if broadcast
GRASSES	-			
Siberian wheatgrass, Agropyron frailie				
Russian wildrye, Psathyrostachys juneca				
Indian ricegrass, Stypia hymenoides			4	
Crested wheatgrass, Agropyron cristatum			4	
Thickspike wheatgrass, Elymus lanceolatus		·		
Intermediate wheatgrass, Elytrigia intermedia				,
FORBS				
Alfalfa, Medicago sativa			0.5	·
Globe mallow, Sphaeralcea coccinea				
SHRUBS				
Fourwing saltbrush, Atriplex cansence			4	
Forage kochia, Kochia postrata				
Winterfat, Eurotia lanata			-	
Wyoming big sagebrush, Artemisia tridentata Wyomingensis.				
Total pounds per acre			12.5	

Recommended by: _	Tony Wright
-------------------	-------------

Utah Division of Wildlife Resources

RECEIVED AUG 1 2 2003

DIV. OF OIL, GAS & MINING

## UTAH DIVISION OF WATER RIGHTS WATER RIGHT POINT OF DIVERSION PLOT CREATED FRI, AUG 15, 2003, 3:27 PM PLOT SHOWS LOCATION OF 0 POINTS OF DIVERSION

PLOT OF AN AREA WITH A RADIUS OF 5280 FEET FROM A POINT N 553 FEET, E 1813 FEET OF THE SW CORNER, SECTION 36 TOWNSHIP 29S RANGE 24E SL BASE AND MERIDIAN

PLOT SCALE IS APPROXIMATELY 1 INCH = 2000 FEET

NORTH



OPERATOR:	TOM BROWN INC. (N9885)
WELL NAME & NUMBER:	BIG INDIAN 36-42
API NUMBER:	43-037-31827
LEASE: <u>ST-UT-37067</u>	FIELD/UNIT: UNDESIGNATED (002) LOCATION: 1/4,1/4 SESW
SECTION <u>36</u> TOWNSHIP <u>298</u>	RANGE 24E FOOTAGES: 0553 FSL 1813 FWL

#### Geology/Ground Water:

A well at this location will most likely spud into a poorly to moderately permeable soil developed on the Burro Canyon Formation, a component, with the Dakota Sandstone, of the "D" Aquifer. Several deeper Mesozoic and Paleozoic aquifers are likely to be encountered during the drilling of this well. This location is about 2/3 of a mile northeast of the main trace of the northwest-southeast trending Lisbon Valley Fault. The base of moderately saline ground water is at about 4,500 feet elevation in the area of the location. This will occur at about 2,600 feet Total Depth in the well. The surface casing will be set just into the top of the Cutler Formation, which is estimated to be encountered at 2,198 feet Total Depth in the well, and cemented to surface. A 5½ inch liner will be hung below the surface pipe. A benign fresh water drilling fluid system will be used. The proposed casing and cement will adequately isolate any shallow zones containing water. There are no water rights filed within a mile of the location.

Reviewer: Christopher J. Kierst Date: August 15, 2003

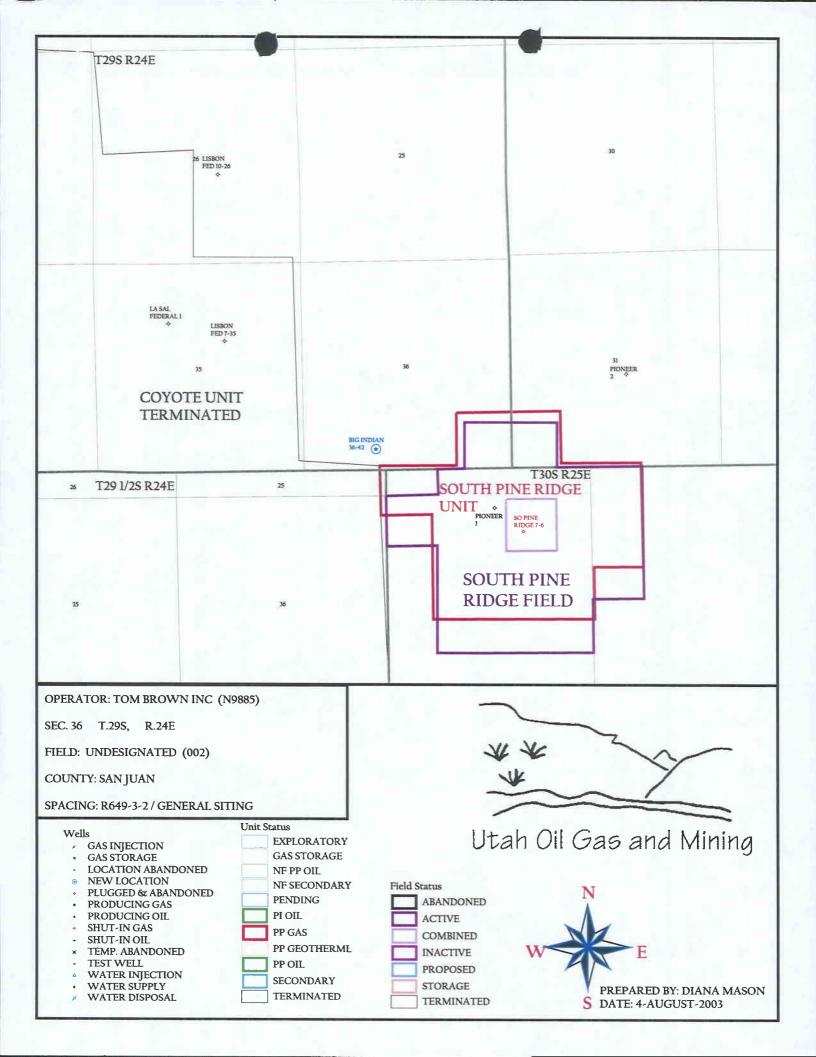
#### Surface:

Operator representatives, land surveyor, dirt contractor, DWR, and a BLM representative were present at the onsite conducted on August 5, 2003. SITLA was invited but did not attend. Reserve pit backfill & spoils will be stockpiled on the east end of the well pad, behind the reserve pit & dike, and next to flare pit behind dike. The reserve pit liner will need to be properly installed and maintained in the reserve pit with a synthetic liner with a minimum thickness of 12 mils, and if the pit is built in rock, geotextile or some other Division approved material will be required to underlay the liner. The Division would like to be notified prior to lining the reserve pit to allow for Division inspection. DWR stated that the well is located within critical winter range for mule deer, and recommends there be no construction or drilling activity during December 1 – April 15. DWR also determined a seed mixture for future site reclamation, which has been provided to Tom Brown Inc.

Reviewer: Lisha Cordova	<b>Date</b> : August 8, 2003
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#### **Conditions of Approval/Application for Permit to Drill:**

- 1. A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve pit.
- 2. If the reserve pit is built in rock, geotextile or some other Division approved material will be required to underlay the liner.
- 3. The Division shall be notified prior to lining the reserve pit to allow for Division inspection.
- 4. The well has been given cultural resource clearance by the Trust Lands Cultural Resources Group of the School and Institutional Trust Lands Administration, September 8, 2003. There is one significant site, U-03-MQ-0618b,s-42Sa25563, north of location which must be avoided. Archaeological monitoring is recommended.





14421 County Rd. 10 • Ft. Lupton, Colorado 80621 • (303) 857-9999 • FAX (303) 857-0577 • E-MAIL Permitco 1@aol.com

August 14, 2003

Division of Oil, Gas & Mining 1594 West North Temple, Suite 1210 Box 145801 Salt Lake City, UT 84114-5801

Attn: Lesha Cordova

Re:

Tom Brown, Inc.

Big Indian #36-42

553' FSL and 1813' FWL

SE SW Sec. 36, T29S - R24E

San Juan County, Utah

Lease No. ST-UT-37067

Dear Lesha.

As per your request, enclosed please find four copies of the proposed Production Facility Layout for the above mentioned well. This diagram was not previously submitted with our application.

If you should need additional information, please don't hesitate to contact me.

Sincerely,

PERMITCO INC.

Lisa L. Smith Consultant for: Tom Brown, Inc.

Enc.

cc:

Tom Brown, Inc. - Denver, CO

Tom Brown, Inc. - Grand Junction, CO

Tom Brown, Inc. - Moab, UT

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AUG 1 8 2003

DIV. OF OIL, GAS & MINING

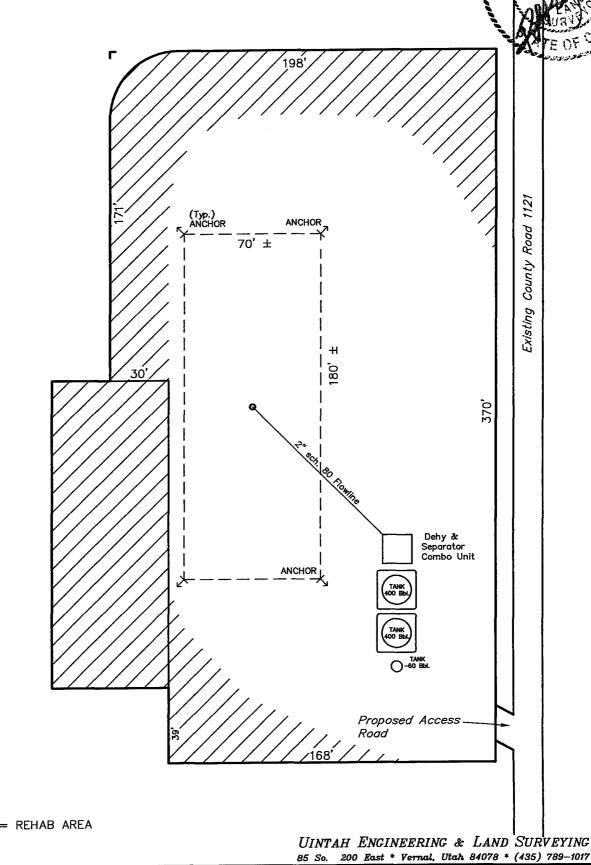
# TOM BROWN INC. PRODUCTION FACILITIES LAYOUT FOR BIG INDIAN #36-42 SECTION 36, T29S, R24E, S.L.B.&M. 553' FSL 1813' FWL SCALE: 1" = 50'DATE: 08-08-03 Drawn By: D.R.B. (Typ.) ANCHOR **ANCHOR** Existing County Road 70' ± Dehy & Separator Combo Unit **ANCHOR** Proposed Access -Road = REHAB AREA UINTAH ENGINEERING & LAND SURVEYING 85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

#### TOM BROWN INC.

### PRODUCTION FACILITIES LAYOUT FOR

BIG INDIAN #36-42 SECTION 36, T29S, R24E, S.L.B.&M. 553' FSL 1813' FWL

SCALE: 1" = 50'
DATE: 08-08-03
Drawn By: D.R.B.



Well name:

08-03 Tom Brown Big Indian 36-42

Operator:

Tom Brown Inc.

String type:

Surface

Location:

Uintah

Project ID:

43-037-31827

**Environment:** 

U	es	ıgn	pai	am	etei	S:

Collapse

Mud weight:

8.500 ppg

Design is based on evacuated pipe.

Minimum design factors:

Collapse: Design factor

1.125

H2S considered?

Surface temperature:

No 65 °F

Bottom hole temperature: Temperature gradient:

96 °F 1.40 °F/100ft

Minimum section length:

185 ft

**Burst:** 

Design factor

1.00

1.80 (J)

Cement top:

20 ft

**Burst** 

Max anticipated surface

No backup mud specified.

pressure:

119 psi

Internal gradient: Calculated BHP

0.447 psi/ft 1,102 psi

**Tension:** 

8 Round STC: 8 Round LTC:

Buttress:

Premium:

1.80 (J) 1.60 (J)

1.50 (J) Body yield: 1.50 (B)

Tension is based on air weight. Neutral point: 1,923 ft Non-directional string.

Re subsequent strings:

Next setting depth: Next mud weight:

5,750 ft 9.000 ppg 2,688 psi

Next setting BHP: Fracture mud wt: Fracture depth:

Injection pressure

19.250 ppg 2,200 ft 2,200 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2200-	9.625 ~	36.00	J-55 —	ST&C /	2200	2200	8.796	156.7
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	971	2020	2.080	1102	3520	3.19	79	394	4.97 J

Prepared

Clinton Dworshak

Utah Div. of Oil & Mining by:

Date: August 18,2003 Salt Lake City, Utah

**ENGINEERING STIPULATIONS: NONE** 

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension. Collapse is based on a vertical depth of 2200 ft, a mud weight of 8.5 ppg. The casing is considered to be evacuated for collapse purposes. Burst strength is not adjusted for tension.

Well name:

08-03 Tom Brown Big Indian 36-42

Minimum design factors:

Operator:

Tom Brown Inc.

String type:

Production

Location:

**Uintah** 

Project ID:

43-037-31827

Design parameters:

**Collapse** 

Mud weight:

9.000 ppg

Design is based on evacuated pipe.

Collapse: Design factor

1.125

1.00

**Environment:** 

H2S considered?

No

Surface temperature: Bottom hole temperature:

65 °F 146 °F

Temperature gradient: Minimum section length: 1.40 °F/100ft

Non-directional string.

Cement top:

368 ft 2,742 ft

**Burst** 

Max anticipated surface

pressure:

119 psi

Internal gradient: Calculated BHP

0.447 psi/ft 2,688 psi

No backup mud specified.

**Burst:** Design factor

Premium:

Body yield:

1.50 (B)

Tension is based on air weight.

**Tension:** 

8 Round STC: 1.80 (J) 8 Round LTC: 1.80 (J) 1.60 (J) Buttress: 1.50 (J)

Neutral point: 4,965 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	5750 —	5.5 ~	17.00	K-55 /	LT&C ~	5750	5750	4.767	198.2
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2688	4910	1.826	2688	5320	1.98	98	272	2.78 J

Prepared

Clinton Dworshak

by: Utah Div. of Oil & Mining

Date: August 18,2003 Salt Lake City, Utah

**ENGINEERING STIPULATIONS: NONE** 

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension. Collapse is based on a vertical depth of 5750 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes. Burst strength is not adjusted for tension.

From:

Ed Bonner

To:

Mason, Diana

Date:

9/8/03 4:48PM

Subject:

Well Clearances

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

Westport Oil & Gas

NBU 1022-11I

43-647-35151

Tom Brown Inc.

Big Indian 36-42 One significant site (U-03-MQ-0618b,s - 42Sa25563) north of location which must be avoided. Archaeological monitoring is recommended.

If you have any questions regarding this matter please give me a call.

CC:

Cordova, Lisha; Garrison, LaVonne; Hill, Brad; Hunt, Gil



Michael O. Leavitt Governor Robert L. Morgan Executive Director Lowell P. Braxton Division Director 1594 West North Temple, Suite 1210 PO Box 145801 Salt Lake City, Utah 84114-5801 (801) 538-5340 telephone (801) 359-3940 fax (801) 538-7223 TTY www.nr.utah.gov

September 10, 2003

Tom Brown Inc. 555 - 17th Street, Suite 1850 Denver, CO 80202

Re: Big Indian 36-42 Well, 553' FSL, 1813' FWL, SE SW, Sec. 36, T. 29 South, R. 24 East,

San Juan County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-037-31827.

Sincerely,

John R. Baza Associate Director

WillSunt

pab Enclosures

cc: San Juan County Assessor

SITLA



Operator:		Tom Brown Inc.	
Well Name & Number		Big Indian 36-42	
API Number:		43-037-31827	
Lease:		ST-UT-37067	
Location: SE SW	<b>Sec.</b> _ 36_	<b>T.</b> 29 South	<b>R.</b> 24 East

#### **Conditions of Approval**

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. **Notification Requirements**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

#### 3. **Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division. including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
- 5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
- 6. Surface casing shall be cemented to the surface.

Page 2 Conditions of Approval API# 43-037-31827 September 10, 2003

- 7. Cement production casing to ±2200 feet as proposed, which will be above the moderately saline ground water depth.
- 8. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

5. LEASE DESIGNATION AND SERIAL NUMBER:

FORM 9

005	ST-UT-37067
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT OF CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL GAS WELL 🗹 OTHER	8. WELL NAME and NUMBER: Big Indian 36-42
2. NAME OF OPERATOR:	9. API NUMBER: 037-31827
Tom Brown, Inc.  3. ADDRESS OF OPERATOR: PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
555 17th St., STE 1850 CITY Denver STATE CO ZIP 80202 (303) 260-5000	Big Indian
4. LOCATION OF WELL FOOTAGES AT SURFACE: 553 FSL & 1813 FWL	COUNTY: San Juan
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 36 29S 24E	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT (Submit in Duplicate)  ACIDIZE  DEEPEN  FRACTURE TREAT	REPERFORATE CURRENT FORMATION  SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK	WATER DISPOSAL
(Submit Original Form Only)  Date of work completion:  CHANGE WELL STATUS  PRODUCTION (START/RESUME)	WATER SHUT-OFF
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	other: Permit Extension
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volume	es, etc.
	ory SENT TO OPERATOR the: 8-3/-04 itals:
NAME (PLEASE PRINT) Scott M. Webb TITLE Regulatory Speci	alist
SIGNATURE	
*	

(This space for State use only)

(5/2000)

(See Instructions on Reverse Side)

RECEIVED AUG 2 5 2004

## Application for Permit to Drill Request for Permit Extension Validation (this form should accompany the Sundry Notice requesting permit extension)

API: Well Name: Location:	_	VL, SESW Section 36-T29	S-R24E
<b>Company Per</b>		Tom Brown, Inc.	
above, hereby	verifies that the i	legal rights to drill or information as submi mains valid and does	
Following is a verified.	checklist of some	e items related to the	application, which should be
,	rivate land, has t en updated? Yes	•	ed, if so, has the surface
		the vicinity of the proports for this location?	oosed well which would affect Yes⊟ No⊠
	_	er agreements put in proposed well? Yes⊡	place that could affect the No☑
		to the access route in proposed location? Yo	ncluding ownership, or right- es⊡No⊠
Has the appro-	ved source of wa	ter for drilling change	ed? Yes⊡ No⊠
	iire a change in p		e location or access route discussed at the onsite
Is bonding still	in place, which o	covers this proposed	well? Yes⊠No□
1	> - \	n	8/22/2004
Signature		<del></del>	Date
Title: Regulator	ry Specialist	•	
Representing:	Tom Brown, Inc.		

	STATE OF UDIVISION OF OIL, GA		G.	5. Lease Designat	ion and Serial No
					on the bould 110.
	NOTICES AND RE			6. If Indian, Allott	te or Tribe Name
	roposals to drill new wells, deepen existing ON FOR PERMIT TO DRILL O			7. Unit Agreemen	A 3.7
OUT I LACATIC	NTOKTERWIII TO DRIED O	K DEEP EN ROIM ROI	such proposals.	1. Unit Agreemen	ıı name
. Type of Well	F3	i		8. Well Name and	Number
☐ Oil Well	☐ Gas Well ☐	Other			
2. Name of Operator: EnCa (successor in interest of Tom Br	rown, Inc. effective 1/1/05)	Contact: Phone:	Jane Washburn 720/876-5431	9. API Well Num	ber
. Address and Telephone No		<b>D</b> 00		10. Field and Pool	, or Exploratory Area
Location of Well	nth Street, Suite 1700,	Denver, CO	80202		
ootages:	SEE ATTACHE	D LIST OF V	VELLS	Country	
Q, Sec T,R,M:		D LIGI OF V		County: State:	
				•	
1. CHECK	APPROPRIATE BOX(ES	) TO INDICAT			
	FICE OF INTENT  bmit in Duplicate)			SUBSEQUENT RE	
Abandon	New Constru	ection	☐ Abandon*	Submit Original Forn	
Repair Casing	Pull or Alter		I_ ·		☐ New Construction ☐ Pull or Alter Casing
Change Plans	Recomplete		☐ Repair Casing ☐ Change Plans		Recomplete
Convert to Injection	Reperforate		Convert to Injection		Reperforate
Fracture Treat or Acklize	☐ Vent or Flare	•	☐ Fracture Treat or Acid	lize	☐ Vent or Flare
Multiple Completion	Water Shut-	Off			☐ Water Shut-Off
Other			☑ Other	Change of Operato	\ <del>-</del>
pproximate date work will:	start		Date of work completi		Ja
pproximate date work will s	start		Report results of Multiple Comp	Offi etions and Recompletions to di	ifferent reservoirs
2. Describe Proposed or completed Oper If the proposal is to deepen directional	ation (clearly state all pertinent details by or recomplete horizontally, give sub	surface locations and m	Report results of Multiple Comp on WELL COMPLETION OR I * Must be accompanied I arting date of any proposed work and easured and true vertical depths of all	On  detions and Recompletions to di RECOMPLETION REPORT A by a cement verification approximate duration thereof, pertinent markers and zones.	ifferent reservoirs
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APPROVED 2/34/05

EC

Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

#### tom brown to encana.xls

well name	sec	twsp	rng	api	entity	lease	well	stat	flag	unit name	lease num	qtr qtr	td_md	d apd	op no
BIG INDIAN 36-42	36	290S	240E	4303731827		State	GW	APD			ST-UT-37067	SESW	T		N9885
FEDERAL 14-18	18	250S	060E	4301530060	436	Federal	NA	PA			UTU-69447	SWSW			N9885
NW USA D-1 (B-624)	24	300S	240E	4303716516	99990	Federal	WD	Α			UTU-070034	NENW	<del>                                     </del>		N9885
FEDERAL 15-25	25	290S	230E	4303730317	4776	Federal	GW	S			UTU-986	SWSE			N9885
BIG INDIAN 35-24	35	290S	240E	4303731829	14409	Federal	GW	DRL	C		UTU-077077	SENE			N9885
BIG INDIAN 27-34	27	290S	240E	4303731828		Federal	GW	APD	С		N9885	1		****	
BIG INDIAN UNIT 1	33	290S	240E	4303716219	8122	Federal	ow	S		BIG INDIAN	UTSL-067131	SENE			N9885
BIG INDIAN 4	14	300S	250E	4303716221	8124	Federal	GW	TA		BIG INDIAN	UTSL-089097	SWSW	<u> </u>		N9885
BIG INDIAN 34-11	34	290S	240E	4303731818	14004	Federal	D	PA	С	BIG INDIAN	UTU-014905	NWNW	İ		N9885
			1												
BULL HORN U 10-43	10	300S	250E	4303731831	14393	Federal	GW	DRL	C	BULL HORN	UT-73190	SWSE			N9885
LISBON B-615	15	300S	240E	4303715123	8123	Federal	OW	P		LISBON	UTU-09179	NENW			N98
LISBON FED 2-21F	21	300S	250E	4303715768	410	Federal	GW	S	İ	LISBON	UTU-094674	SENW			N9885
LISBON B912	12	300S	240E	4303715769	8123	Federal	OW	S		LISBON	UTU-06922	SESW			N9885
LISBON A-713A	13	300S	240E	4303716236	8123	Federal	GW	PA		LISBON	UTSL-070034	SWNW			N9885
LISBON A-715	15	300S	240E	4303716237	8123	Federal	WD	A		LISBON	UTU-020691A	SWNW			N9885
LISBON B-613	13		240E	4303716240		Federal	OW	S		LISBON	UTSL-070034	NENW			N9885
LISBON C-69	09		240E	4303716245		Federal	ow			LISBON	UTU-09179	NWNE			N9885
LISBON C-94	04	1	240E	4303716247		Federal	OW	S		LISBON	UTU-66582	SWSE			N9885
LISBON UNIT D-84	04		240E	4303716250	8123	Federal	ow				UTU-015445	NESE			N9885
LISBON D-89	09		240E	4303716251	8123	Federal	ow	P		LISBON	UTU-015445	NESE			N9885
NW LISBON USA B-1 (B-614)	14		240E	4303716468		Federal	OW			LISBON	UTSL-070008A	NENW		·	N9885
NW LISBON USA A-2 (D-810)	10	•	240E	4303716471		Federal	GW			LISBON	UTU-14903	NESE			N9885
LISBON B-84	04		240E	4303730054		Federal	OW				UTU-09179	NESW			N9885
LISBON B-814	14		240E	4303730082	8123	Federal	OW			LISBON	UTSL-070008A	NESW			N9885
LISBON C-99	09		240E	4303730693	8123	Federal	OW			LISBON	UTU-09179	SWSE			N9885
LISBON B-94	04		240E	4303730695	8123	Federal	ow	S		LISBON	UTU-015445	SESW			N9885
LISBON C-910 I	10			4303731805				PA		LISBON	UTU-0141903	SWSE			N98
LISBON D-616	16			4303715049	8123	State	ow	P			ML-13692	NENE	9120		N9885
LISBON B-616	16	300S	240E	4303716242	8123	State	OW	S		LISBON	ML-8366	NESW	8689		N9885
BELCO ST 4 (LISBON B-816)	16			4303716244		State	WD			LISBON	ML-8366	NESW	8730		N9885
LISBON UNIT D-716	16		240E	4303731034		State	ow	P		LISBON	ML-13692	SENE	8794		N9885
LISBON U B-610	10	300S	240E	4303716469	8123	Federal	OW	P		LISBON (MCCRACKEN)	UTU-014903	NENW			N9885
LISBON U B-610				4303716469		Federal				LISBON (MCCRACKEN)		NENW			N9885
LISBON U D-610				4303730694			GW			LISBON (MCCRACKEN)		NENE			N9885
LISBON UNIT A-911				4303731014			GW			LISBON (MCCRACKEN)		SWSW			N9885
LISBON C-910	10			4303731323			ow			LISBON (MCCRACKEN)		SWSE			N9885
LISBON B-614A				4303731351			OW			LISBON (MCCRACKEN)		NENW			N9885
LISBON B-810				4303731433			ow			LISBON (MCCRACKEN)		NESW			N9885
LISBON (MCCRACKEN) D-615				4303731817			ow			LISBON (MCCRACKEN)					-
LISBON (MCCRACKEN) A-610				4303731821		Federal				LISBON (MCCRACKEN)					

# Delaware

## The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"TBI PIPELINE COMPANY", A DELAWARE CORPORATION, "TBI WEST VIRGINIA, INC.", A DELAWARE CORPORATION, "TOM BROWN, INC. ", A DELAWARE CORPORATION,

WITH AND INTO "ENCANA OIL & GAS (USA) INC." UNDER THE NAME OF "ENCANA OIL & GAS (USA) INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-SECOND DAY OF DECEMBER, A.D. 2004, AT 6:15 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE FIRST DAY OF JANUARY, A.D. 2005.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 3584585

DATE: 12-29-04

2137895 8100M

040934710

State of Delaware Secretary of State Division of Corporations Delivered 06:15 PM 12/22/2004 FTLED 06:15 PM 12/22/2004 SRV 040934710 - 2137895 FTLE

#### STATE OF DELAWARE CERTIFICATE OF MERGER OF DOMESTIC CORPORATIONS

Pursuant to Title 8, Section 251(c) of the Delaware General Corporation Law, the undersigned corporation executed the following Certificate of Merger:

FIRST: The name of the surviving corporation is EnCana Oil & Gas (USA) Inc., and the names and jurisdictions of the corporations being merged into this surviving corporation are as follows:

Name Tom Brown, Inc. TBI Pipeline Company TBI West Virginia, Inc. Jurisdiction of Incorporation
Delaware corporation
Delaware corporation
Delaware corporation

SECOND: The Agreement and Plan of Merger has been approved, adopted, certified, executed and acknowledged by each of the constituent corporations.

THIRD: The name of the surviving corporation is EnCana Oil & Gas (USA) Inc., a Delaware corporation.

FOURTH: The Certificate of Incorporation of the surviving corporation shall be its Certificate of Incorporation.

FIFTH: The merger is to become effective on January 1, 2005.

SIXTH: The Agreement and Plan of Merger is on file at 950 17<sup>th</sup> Street, Suite 2600, Denver, Colorado 80202, the place of business of the surviving corporation.

SEVENTH: A copy of the Agreement and Plan of Merger will be furnished by the surviving corporation on request, without cost, to any stockholder of the constituent corporations.

IN WITNESS WHEREOF, said surviving corporation has caused this certificate to be signed by an authorized officer, the 17th day of December, A.D., 2004.

ENCANA OIL & GAS (USA) INC.

Mary A. Viviano, Secretary

Division of Oil, Gas and Mining

#### **OPERATOR CHANGE WORKSHEET**

006

Change of Operator (Well Sold)

ROUTING
1. GLH
2. CDW
3. FILE

Designation of Agent/Operator

#### X Change of Name

Merger

The operator of the well(s) listed below has changed, effective:			/e:	1/1/2005					<u>Ü</u>
FROM: (Old Operator):				TO: ( New Operator):					
N9885-Tom Brown, Inc.				N2175-EnCan		(USA) Inc			
555 17th St, Suite 1850				370 17th St, Suite 1700 Denver, CO 80202					
Denver, CO 80202									
Phone: 1-(720) 876-5157				Phone: 1-(720	876-5068				
CAN	0.			Unit:	, , , , , , , , , , , , , , , , , , , ,			· · · · · · · · · · · · · · · · · · ·	1
WELL(S)									1
NAME	SEC	TW	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	7
FEDERAL 14-18	18	250S	060E	4301530060		Federal	NA	PA	
LISBON FED 2-21F	21	300S	250E	4303715768		Federal	GW	S	
FEDERAL 15-25	25	_		4303730317	4776	Federal	GW	S	
BIG INDIAN 27-34	27			4303731828		Federal	GW	APD	C /
BIG INDIAN 36-42	36			4303731827		State	GW	APD	C /
BIG INDIAN 35-24	35	290S	240E	4303731829	14409	Federal	GW	DRL	C
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	+	-	<u> </u>		ļ				_
•									1
									4
			<u> </u>						7
	+	_					<del>- </del>		$\dashv$
L		<u> </u>	<u> </u>					<u> </u>	
OPERATOR CHANGES DOCUMEN Enter date after each listed item is completed 1. (R649-8-10) Sundry or legal documentation 2. (R649-8-10) Sundry or legal documentation	was re	ceived t		-		1/27/200 1/27/200	<del></del>		
3. The new company was checked on the Depa	rtmen	t of Co	mmerce	e, Division of C	Corporation	s Database	on:	2/23/2005	
4. Is the new operator registered in the State of	Utah:		YES	Business Num	ber:	5053175-0	143		
5. If <b>NO</b> , the operator was contacted contacted	on:			-			<del>_</del>		
6a. (R649-9-2)Waste Management Plan has beer	receiv	ed on:		In PLACE					
6b. Inspections of LA PA state/fee well sites con				n/a	<u> </u>				

7.	Federal and Indian Lease Wells: The BLM and or the or operator change for all wells listed on Federal or Indian leases or operator change for all wells listed on Federal or Indian leases or operator change for all wells listed on Federal or Indian leases or operator change for all wells listed on Federal or Indian leases or operator change for all wells listed on Federal or Indian leases or operator change for all wells listed on Federal or Indian leases or operator change for all wells listed on Federal or Indian leases or operator change for all wells listed on Federal or Indian leases or operator change for all wells listed on Federal or Indian leases or operator change for all wells listed on Federal or Indian leases or operator change for all wells listed on Federal or Indian leases or operator change for all wells listed on Federal or Indian leases or operator change for all wells listed on Federal or Indian leases or operator change for all wells listed on Federal or Indian leases or operator change for all wells listed on Federal or Indian leases or operator change for all wells listed on Federal or Indian leases or operator change for the Indian lease or operator change for all wells listed on Federal or operator change for the Indian lease of the Indian lease or operator change for the Indian lease of the Indian le		
8.	Federal and Indian Units: The BLM or BIA has approved the successor of unit operator for	or wells listed on:	n/a
9.	Federal and Indian Communization Agreements (" The BLM or BIA has approved the operator for all wells listed to	•	n/a
10	. Underground Injection Control ("UIC") The D Inject, for the enhanced/secondary recovery unit/project for the w		IC Form 5, <b>Transfer of Authority to</b> ted on: <u>n/a</u>
D.	ATA ENTRY:		
1.	Changes entered in the Oil and Gas Database on:	2/24/2005	
2.	Changes have been entered on the Monthly Operator Change Si	pread Sheet on:	2/24/2005
3.	Bond information entered in RBDMS on:	2/24/2005	
4.	Fee/State wells attached to bond in RBDMS on:	2/24/2005	
5.	Injection Projects to new operator in RBDMS on:	2/24/2005	
6.	Receipt of Acceptance of Drilling Procedures for APD/New on:	<b>"n</b> /	a S
<b>FI</b> 1.	EDERAL WELL(S) BOND VERIFICATION: Federal well(s) covered by Bond Number:	UT1005	
IN	DIAN WELL(S) BOND VERIFICATION:		
1.	Indian well(s) covered by Bond Number:	<u>n/a</u>	
	EE & STATE WELL(S) BOND VERIFICATION: (R649-3-1) The NEW operator of any fee well(s) listed covered b	y Bond Number	RLB0007875
2.	The <b>FORMER</b> operator has requested a release of liability from the Division sent response by letter on:	neir bond on: n/a	a .
	EASE INTEREST OWNER NOTIFICATION: (R649-2-10) The FORMER operator of the fee wells has been con of their responsibility to notify all interest owners of this change or		a letter from the Division
CC	DMMENTS:		
	erger and rider of bond from Tom Brown, Inc.		

## CONFIDENTIAL

## DIVISION OF OIL, GAS AND MINING

#### **SPUDDING INFORMATION**

Name of Co	ompany:	ENCAN	A OIL &	& GAS (	<u>USA) IN</u>	IC	
Well Name		BIG INI	<u> </u>	-42			_
Api No <u>:</u>	43-037-31	<b>827</b> I	Lease Ty	pe:	ST	CATE	
Section_36	_Township	<b>29S</b> Range_	24E	County_	SA	N JUAN	
Drilling Co	ntractor	UNION DR	ILLING	<u> </u>	NG#	135	
SPUDDE	ED:						
	Date	04/23/05					
	Time	6:00 PM					
	How	DRY			   		
Drilling w	vill Comme	ence:					
Reported by	/	MIKE SIT	<u>ron</u>		,		
Telephone #	#	1-303-819-7	359				
Date	04/25/2005_	Signed		CHD		· · · · · · · · · · · · · · · · · · ·	

FORM 6

008

#### STATE OF UTAH **DEPARTMENT OF NATURAL RESOURCES** DIVISION OF OIL, GAS AND MINING

<b>ENTITY A</b>	CTI	ION	FO	RM
-----------------	-----	-----	----	----

Operator:

EnCana Oil & Gas (USA) Inc.

Address:

370 Seventeenth Street, Suite 1700

Operator Account Number: N 2/75

city Denver

state CO zip 80202 Phone Number: (720) 876-5431

	ing grant and the year	Vane state	ea.	Back	* wp#	The P	<b>Founy</b>
4303731827	Big Indian 36-42		SESW	36	298	24E	San Juan
		New Entity (	•	eud Sa			
Α	99999	14685	4	1/23/200	5	5	15/05
Comments:							

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	The same of the sa	The state of the s	CONTRACTOR OF COMMENT	TO STATE OF THE ST	The state of the s
Adlonicants			Sin	d Date	Entry Assignment
	:			Manager ( ) of that ( ) is	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

	ELECTION OF THE PROPERTY OF TH	Name 24		eje	Sec	FW.	Rio	onty :
Arian ikan		E SANCE TO	#y- ''	8	oud Car			
				ASIA SARA LONG			The state of the s	 ye, compe
Comments:								

#### **ACTION CODES:**

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- Re-assign well from one existing entity to another existing entity
- Re-assign well from one existing entity to a new entity
- Other (Explain in 'comments' section)

Jane Washburn

**Engineering Tech** 

Title

4/29/2005

(5/2000)

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DIV. OF OIL, GAS & MINING

		FORM	9
0	0	9	

#### STATE OF UTAH DIVISION OF OIL, GAS AND MINING

$\mathbb{C}0$	9				N	T	A	
	1 4 1	,	<b>,</b>	-	: 1			-

5. Lease Designation and Serial No. ST-UT-37067

SUNDRY NOTICES AND	REPORTS ON V	VELLS	6. If Indian, Allotte	or Tribe Name
Do not use this form for proposals to drill new wells, deepen exi	sting wells, or to reenter plugged an	d abandoned wells.	NA	
Use APPLICATION FOR PERMIT TO DRILL	OR DEEPEN form for su	ch proposals.	7. Unit Agreement	Name
			NA_	
1. Type of Well	_		8. Well Name and	Number
Oil Well Gas Well	Other		Big In	dian 36-42
2. Name of Operator:	Contact: Jan	ne Washbunn	9. API Well Numb	er
EnCana Oil & Gas (USA) Inc.	Phone: 720/		43-03	7-31827
3. Address and Telephone No.			10. Field and Pool,	or Exploratory Area
370 Seventeenth Street, Suite 176	00, Denver, CO 8	0202	Big In	dian
4. Location of Well				
Footages: 553' FSL, 1813' FWL			County: San Ju	ian
QQ, Sec T,R,M: SESW Sec 36-29S-24E			State: Utah	
11 CHECK APPROPRIATE POY	TO TO DIDICATE	LIAMYINE OF LOWER P	TROPE OF CHILD	D. D. L. M.
11. CHECK APPROPRIATE BOX NOTICE OF INTENT	ES) TO INDICATE			
(Submit in Duplicate)		1	UBSEQUENT REP  ubmit Original Form	
		I ·	Oute Oughter I Olli	
L Abandon		Abandon*		<ul><li>New Construction</li><li>Pull or Alter Casing</li></ul>
Repair casing	-	Repair Casing		_
		Change Plans		Recomplete
		Convert to Injection		☐ Reperforate ☐ Vent or Flare
		Fracture Treat or Acidiz	e	Water Shut-Off
Multiple Completion Water Sh	ut 011	☑ Other		L Water Shar-On
			of Spud and Report	of Activity
Approximate date work will start		Date of work completion	I	
		Report results of Multiple Completi	ons and Recompletions to diff	erent reservoirs
		on WELL COMPLETION OR RE		
12. Describe Proposed or completed Operation (clearly state all pertinent de		* Must be accompanied by		eport.
If the proposal is to deepen directionally or recomplete horizontally, give				
Attach the Bond under which the work will be performed or provide the				
following completion of the involved operations. If the operation results	in a multiple completion or reco	ompletion in a new interval, A form 3	160-4 shall be filed once	
testing has been completed. Final Abandonment Notices shall be filed or	ly after all requirements, includ	ling reclamation, have been completed	l, and the operator has	
determined that the site is ready for final inspection.)				
			•	•
The Big Indian 36-42 spud		Attached for your info	ormation are daily	reports detailing activity
from 4/24/05 through 5/2/0	)5.			
	•			
13.	<del>-  </del>			
Name (Printed/Typed)	Title	On another D		
Jane Washburn	Dete	Operations Engineer	ring Iech	
Signature MI // W/ SI M	Date 5-	2-15		
(This space for State use only)				

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Well: Big Indian 36-42

API#: 4303731827

Operations Date: 05/02/2005

Surface Location: SESW-36-29S-24 E 6th PM

Report #: Depth At 06:00:

Spud Date: 04/23/2005

Area: Big Indian

4366

Days From Spud:

9

Estimated Total Depth:

5800

Morning Operations: 4366' Drlg

Remarks:

Bit #3 had one chipped cutter, no other damage. Bit #4 Smith 6 blade PDC Bit, w/ cutters offset in guage for Direction Correction, Running reduced bit wt. increased rpm

to control Deviation.

Time To

Description

7:00 AM

Drlg 3897'- 3960' 17-20 wob, 54rpm, 63fph

7:30 AM

Survey @ 3897' 4°

4:00 PM

Drlg 3960'- 4241' 17-20 wob, 54 rpm, 33fph

4:30 PM

Rig Service, misrun survey

5:00 PM

Survey @ 4210' 5°

6:00 PM

Drlg 4241'- 4272' mix pill

Well: Big Indian 36-42

11:00 PM

Trip f/ Bit

6:00 AM

Drlg 4272'- 4366' 10 wob, 54 rpm, 13fph

API#: 4303731827

Operations Date: 05/01/2005

Surface Location: SESW-36-29S-24 E 6th PM

Area: Big Indian

Report #:

Spud Date: 04/23/2005

Days From Spud: 8

Days From Spud:

Depth At 06:00:

Estimated Total Depth:

3897

5800

Morning Operations: 3897' Drlg

Remarks:

Dev. out to 6%° at 3477′, building @ .35°/100′, estimated vertical section 150′, (200′ target), avg p-rate 62 fph, w/17,000 wob, 270-300 psi diff. pressure, rpm 54. back off wob to 10,000, diff. pressure to 110 psi, rpm to 74-103, p-rate dropped to 28 fph avg. dropping angle .57°/100'

(3741'-3477')

Description

Time To 6:30 AM

Drig 2962'- 3022'

7:30 AM

Survey @ 2983' 41/2°, one misrun

1:30 PM

Drlg 3022'- 3396' 17,000 wob 62 fph

2:00 PM

Rig Service

4:00 PM

Drlg 3396'- 3521' 17,000wob 62.5 fph

4:30 PM

Survey @ 3477' 61/2°

9:30 PM

Drlg 3521'- 3706' 10,000 wob, 37 fph

10:00 PM

Survey @ 3741' 5°

6:00 AM

Drlg 3706'- 3897' 10,000 wob23 fph

Well: Big Indian 36-42 Surface Location: SESW-36-29S-24 E 6th PM

API#: 4303731827

7

Operations Date: 04/30/2005

Area: Big Indian

Report #: Depth At 06:00:

2962

Morning Operations: Drlg @ 2962

Estimated Total Depth:

5800

Time To

Description

2:00 PM

**Test BOP** 

Spud Date: 04/23/2005

4:00 PM

PU BHA, Trip in

6:00 PM

Drlg Cmt, Float, Float Equip

6:00 AM

Drig 2270'- 2962'

Remarks:

BOP test 101/2 hrs, Cmt under pipe rams, replace ram rubbers, clean out. Mud up @ 2270', Gas show 2515'-

2533





Well: Big Indian 36-42

API#: 4303731827 Area: Big Indian

Operations Date: 04/29/2005

Surface Location: SESW-36-29S-24 E 6th PM

Report #:

Spud Date: 04/23/2005

0

6 Days From Spud:

Depth At 06:00: Estimated Total Depth:

Ran 53 jts (2250.22'), 9.625", 36#, IPSCO, LTC, R-3

Casing, HES Weld on Shoe on First jt, Gemco FC (closed),

5 centrilizers, fill casing 4 times, Reciprocated Casing 15' until cmt to Surface, Set @ 2247', Cement ahead 55 bbl

Gel-CemNet spacer, Lead 228 bbl 610 sks (12.5ppg), w/

held, good returns entire job. 100 bbl cmt to Surface. Cmt

2lb/bbl cemnet and Tail 20 bbl, 97 sks(15.8#) w/ 2lb/bbl cemnet, Displace w/ 170 bbl fresh Water, Bump Plug, Float

dropped 30' in one hr, off load 20 sks dry cmt to top off

5800

Morning Operations: Test BOP

Remarks:

Time To

Description

Run 53 jts Casing (2250.22')

10:30 AM 12:30 PM

Circ, Rig Down T&M, Rig Up Schlumberger

2:30 PM

Cement Casing

3:30 PM

WOC, dropped 30'

8:00 PM

Weld on C22 3,000# Head Test 15 min OK

3:30 AM

**NU BOP** 

6:00 AM

Test BOP

API#: 4303731827

Operations Date: 04/28/2005

Surface Location: SESW-36-29S-24 E 6th PM

Area: Big Indian

Report #:

Spud Date: 04/23/2005

5 Days From Spud:

Days From Spud:

Depth At 06:00:

Estimated Total Depth:

2270 5800

Morning Operations: 2,270', Rig up Casing Crew

Well: Big Indian 36-42

Remarks:

Clean Pits, LCM to 12%, 45 vis, (10% Mix 2 by volume),

mud wt to 8.8 ppg.

Time To

Description

11:00 AM

Drlg 1943'- 2090'

12:30 PM

Build 350 bbl volume, clean pits

12:30 AM

Drlg 2090'- 2270'

1:30 AM

Short Trip 11 stds

2:00 AM 5:00 AM

Trip out, LD 8" DC and Motor

6:00 AM

Rig up Csg crew

Well: Big Indian 36-42

API#: 4303731827

Operations Date: 04/27/2005

Surface Location: SESW-36-29S-24 E 6th PM

Area: Big Indian

Report #:

Depth At 06:00:

1943

Morning Operations : Drlg @ 1943'

Estimated Total Depth:

5800

Time To

Description

Spud Date: 04/23/2005

8:00 AM

Trip in Wash 90' to bttm (tight, fill)

10:00 AM

Drlq 1559'- 1618'

12:30 PM

Repairs, pop off, Floor Motors, 1/2hr Rig Service

5:30 PM

Drla 1618'- 1720'

6:30 PM

Repairs, Drwks oiler, 1/2 hr Rig Service

1:00 AM

Drlg 1720'- 1864'

1:30 AM

Survey @ 1720' 21/2°

6:00 AM

Drlg 1864'- 1943'

Remarks:

Hole tight on trip in, No losses last 24 hrs, Maintaining +30% LCM content.

Days From Spud:





Well: Big Indian 36-42

API#: 4303731827 Area: Big Indian

Operations Date: 04/26/2005

Surface Location: SESW-36-29S-24 E 6th PM

Report #:

3

Spud Date: 04/23/2005

1559

3

Depth At 06:00:

5800

Morning Operations: 1559' Trip f/ Bit

Remarks:

NOTE: Total Rotating Hrs should be 281/2 not 691/2: No Losses last 24 hrs, mixing LCM to maintain 35% - 40%

Estimated Total Depth:

LCM Content

Time To

Description

10:00 AM

Mix 700 bbl, 60 vis, 40% LCM Mud

12:00 PM

Drlg 997'- 1145'

2:00 PM

Change Swivel Packing, 1/2hr Rig Service

7:30 PM

Drlg 1145'- 1399'

9:30 PM

Change Swivel Packing

3:30 AM

Drlg 1399'- 1559'

6:00 AM

Trip f/ Bit

Well: Big Indian 36-42

API#: 4303731827

Operations Date: 04/25/2005

Surface Location: SESW-36-29S-24 E 6th PM

Area: Big Indian

Report #:

Depth At 06:00:

997

Spud Date: 04/23/2005

2 Days From Spud:

Estimated Total Depth:

5800

Morning Operations: 997', WO Mud

Remarks:

Drlg 670' w/ 42% LCM 60 vis mud, full returns after 15 min.(both pumps) LCM content dropping each circulation, no mud on Location (trouble finding a truck) Lost all returns when LCM content dropped to 20%. Mud on Location 6:00

hrs

Time To

Description

6:30 AM

Mix 700 bbl 38 vis, 15% LCM Mud

8:00 AM

Trip in, Bridge 550'

9:00 AM

Wash-Rmr to 648', no returns

2:30 PM

Mix 700 bbl 50 vis, 28% LCM Mud

3:00 PM

Drig 648'- 670' no returns

8:30 PM

Mix 700 bbl 60 vis, 42% LCM Mud

2:30 AM

Drlg 670'- 997' LCM dropped to 20% lost returns

Days From Spud:

6:00 AM

WO Mud, Mix 700 bbl 50 vis, 40% LCM Mud

Well: Big Indian 36-42

API#: 4303731827

Operations Date: 04/24/2005 Report #:

1

Spud Date: 04/23/2005

Surface Location: SESW-36-29S-24 E 6th PM

Area: Big Indian

Depth At 06:00:

Estimated Total Depth:

648

5800

Morning Operations: 648' Mix Mud, Lost all Returns

Remarks:

Partial Returns starting @ 210', Mix and Pump Hi Vis LCM Sweeps to Maintain Circulation, Lost all returns @ 610' Trip

out, WO Mud, Mix Mud

Time To

Description

8:00 AM

Rig Up

5:00 PM

Weld on Conductor, NU, Strap BHA,

12:00 AM

Drlg 60'- 598', Spud 17:00 hrs MST 4-23-05

12:30 AM

Survey 502' 3°

2:00 AM

Drlg 598'- 648', Lost all returns 610'

3:00 AM

Trip out

6:00 AM

Mix 700 bbl, 38 Vis, 12% - 15% LCM

FORM 9	STATE OF DIVISION OF OIL, G		iG	5. Lease Designation and Serial No. ST-UT-37067
	SUNDRY NOTICES AND R	EPORTS ON	WELLS	6. If Indian, Allotte or Tribe Name
10	Do not use this form for proposals to drill new wells, deepen existing	ng wells, or to reenter plugge	d and abandoned wells.	NA NA
<u> </u>	Use APPLICATION FOR PERMIT TO DRILL (	OR DEEPEN form for	such proposals.	7. Unit Agreement Name
1 T CX	37-11			NA NA NA NA NA NA NA NA NA NA NA NA NA N
1. Type of V		Other		8. Well Name and Number  Pig Indian 36, 42
2. Name of		Contact:	Ron Schuyler	Big Indian 36-42  9. API Well Number
z. Name or	EnCana Oil & Gas (USA) Inc.	Phone:	720/876-5142	9. API Well Number 43-037-31827
Address :	and Telephone No.	Trilone.	720/6/0-3142	10. Field and Pool, or Exploratory Area
7. 7 Idai 055 I	370 Seventeenth Street, Suite 1700	Denver CO	80202	Big Indian
4. Location	· · · · · · · · · · · · · · · · · · ·	,		
Footages:	553' FSL, 1813' FWL			County: San Juan
OO, Sec T.	•			State: Utah
(,,				
11.	CHECK APPROPRIATE BOX(E	S) TO INDICATI		
	NOTICE OF INTENT			SUBSEQUENT REPORT
_	(Submit in Duplicate)		I_	(Submit Original Form Only)
L. Abandon	=		Abandon*	New Construction
Repair Ca	·	_	Repair Casing	Pull or Alter Casing
Change F			Change Plans	☐ Recomplete
	to injection —		Convert to Injection	☐ Reperforate
_	Treat of Acidize	-	Fracture Treat or Aci	dize Water Shut-Off
Other	Completion L_i water Shut		☑ Other	Water Share Off
				ce of bottom hole survey information
Approxima	te date work will start		Date of work complet	
1		1.1	1	pletions and Recompletions to different reservoirs
w	The second secon		_ I	RECOMPLETION REPORT AND LOG form.
12. Describe Pro	oposed or completed Operation (clearly state all pertinent deta-	ils, including estimated st		· · · · · · · · · · · · · · · · · · ·
	al is to deepen directionally or recomplete horizontally, give su			
Attach the Bo	and under which the work will be performed or provide the Boa	nd No. on file with the BL	M/BIA. Required subsequent report	ts shall be filed within 30 days
	npletion of the involved operations. If the operation results in	- •	•	
	en completed. Final Abandonment Notices shall be filed only	after all requirements, inc	cluding reclamation, have been compl	leted, and the operator has
	at the site is ready for final inspection.)  Ition of phone discussion with Dust:	in Doucet of th	e Division of Oil Go	os and Mining on May 4, 2005
				ertical well located in the SESW quarter.
				up to that point showed a maximum of
				e continued to build. At a depth of 4660' we
				turn the well back to towards the center of
				00', 2.73 degrees with an azimuth of 304.22 degree
				s point the bottom hole location was calculated
				square "window" per the Utah regulations.
The SWS	SW quarter of this section has the sa	me mineral ow	mer (State of Utah) a	nd is under the same lease as the SESW.

Title Operations Coordinator

Signature Date 05/05/2005

This space for State use only)

Title Operations Coordinator

Name (Printed/Typed)

PROPER OPERATION OPERATIO

Approval was given to proceed with drilling and we are attempting to steer the bottom hole location back towards the surface

location.

	NF	-		Chick same
1 45	Lat how	1 V .	116	11

FORM 9 STATE OF LITAH DIVISION OF OIL, GAS AND MINING 5. Lease Designation and Serial No. ST-UT-37067 SUNDRY NOTICES AND REPORTS ON WELLS 6. If Indian, Allotte or Tribe Name Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. NA Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals. 7. Unit Agreement Name NA 1. Type of Well 8. Well Name and Number Oil Well ☑ Gas Well Other Big Indian 36-42 2. Name of Operator: 9. API Well Number Contact: EnCana Oil & Gas (USA) Inc. Phone: 43-037-31827 3. Address and Telephone No. 10. Field and Pool, or Exploratory Area 370 Seventeenth Street, Suite 1700, Denver, CO 80202 Big Indian 4. Location of Well Footages: 553' FSL, 1813' FWL San Juan County: SESW Sec 36-29S-24E QQ, Sec T,R,M: State: Utah CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA NOTICE OF INTENT SUBSEQUENT REPORT (Submit in Duplicate) (Submit Original Form Only) Abandon New Construction Abandon\* New Construction Pull or Alter Casing Pull or Alter Casing Repair Casing Repair Casing Recomplete Recomplete ☐ Change Plans Change Plans Reperforate Reperforate Convert to Injection Convert to Injection Vent or Flare ☐ Vent or Flare Fracture Treat or Acidize Fracture Treat or Acidize ☐ Water Shut-Off ☐ Water Shut-Off ☐ Multiple Completion Other ✓ Other Weekly Report of Activity/Rig Release Approximate date work will start Date of work completion Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form. \* Must be accompanied by a cement verification report. 12. Describe Proposed or completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval. A form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.) The Big Indian 36-42 reached TD of 6130' on 5/7/05. The expected TD as requested on the APD was 5750; however, the top of the Paradox Salt, which was the target formation, was not reached until 6070'. Rig release was 0300 hrs on 5/9/05. Attached for your information are daily reports from 5/3/05 through 5/9/05 providing detailed information of activity. RECEIVED MAY 1 2 2005 DIV. OF OIL, GAS & MINING

Name (Printed/Typed) Title Jane Washburn **Operations Engineering Tech** Date 05/09/2005 Signature (This space for State use only)





Well: Big Indian 36-42

API#: 4303731827

Operations Date: 05/09/2005

Surface Location: SESW-36-29S-24 E 6th PM

Report #:

65 Cent total, Gemco Float Equip., Ahead 20 bbl water, 20

bbl CW-7, 5 bbl water. Tail 255 bbl (996 sks), 50G/50POZ + additives 13#, 1.44yld, Cmt, Displace w/ 2% KCL (146

16

Spud Date: 04/23/2005

Area: Big Indian

Days From Spud: 16 Depth At 06:00:

6130

Morning Operations: Rig Down

Estimated Total Depth:

bbl), bump plug, floats held. Good Returns.

5800

Remarks:

Time To

Description

7:00 AM

Trip in

9:30 AM

Circ

1:00 PM

LDDP, DC

6:30 PM

Run 132 jts,(6105') 51/2", 17.7# LTC Casing

8:30 PM

11:00 PM

Cement

3:00 AM

ND, Set Slips, Clean Pits

Well: Big Indian 36-42

6:00 AM

Rig Released 03:00 hrs, 5-9-2005 MST

API#: 4303731827

Operations Date: 05/08/2005

Surface Location: SESW-36-29S-24 E 6th PM

Area: Big Indian

Report #: 15

Spud Date: 04/23/2005

Days From Spud:

Depth At 06:00:

6130 5800

Morning Operations: Trip in

Estimated Total Depth:

Remarks: Log: 1st Run, P-Express w/ HRLA, 2nd Run Mech. Wall Coring Tool, Loggers TD 6129', 2248' Surface Pipe, OH

Cmt Volume 1,192.58 cu. ft., Avg hole size 9 3/8" to 9 1/4", Hole volume 1,832.97 cu. ft.

Time To

Description

11:00 AM

Short Trip SLM no correction

12:30 PM

Circ Bttm Up

5:30 PM

Trip out, LD Directional Tools, Pull wear Ring

Days From Spud:

3:00 AM

Log Trip in

6:00 AM

Well: Big Indian 36-42

API#: 4303731827

Operations Date: 05/07/2005

Surface Location: SESW-36-29S-24 E 6th PM

Area: Big Indian

Report #:

14

Spud Date: 04/23/2005

14

15

Depth At 06:00:

6130

Morning Operations: 6130' Short trip

Estimated Total Depth:

5800

Time To

Description

7:30 AM

Drlg 5552'- 5584'

8:00 AM

Rig Service

2:00 AM

Drlg 5584'- 5990'

2:30 AM 5:30 AM Rig Service Drig 5990'- 6130' est top salt 6070'

6:00 AM

Short Trip, SLM

Remarks:

est TD 5650. Last Directional control @ 5584', Rotate out to TD build rate .43°/100'. TD 05:30 hrs, 5-7-2005 MST, Drilled approx. 60' salt Pathfinder's STRAIGHT LINE PROJECTION TO TD: 6130' 4.22° 194.44°, 6116.12 TVD, 246'23' v section, Rectangular Offsets: 35.95' South, 243.59' West, Closure 246.23' @ 261.60°

9:00 AM

6:00 AM

10:30 PM

4:30 PM

Rig Service

Surface Location: SESW-36-29S-24 E 6th PM

Drlg 4991'- 5209'

Trip f/ Directional Tools

Rig Service





Well: Big Indian 36-42 API#: 4303731827 Operations Date: 05/06/2005

Area: Big Indian Surface Location: SESW-36-29S-24 E 6th PM Report #: 13

Spud Date: 04/23/2005 13 Depth At 06:00: 5552

Days From Spud: Morning Operations: 5552' Drlg Estimated Total Depth: 5800

Remarks:

Sliding 57% (112') 9 fph, Rotating 26 fph Time To Description

8:30 AM Drlg 5209'- 5241'

6:00 AM Drlg 5241'- 5552'

Well: Big Indian 36-42 API#: 4303731827 Operations Date: 05/05/2005

Area: Big Indian Report #: 12

Spud Date: 04/23/2005 12 Depth At 06:00: 5209 Davs From Spud:

Morning Operations: 5209' Drlg Estimated Total Depth: 5800

Remarks: Sliding 43% (94') 9 fph, Rotating 24 fph Time To

Description 2:30 PM Drla 4803'- 4991'

3:00 PM Rig Service

API#: 4303731827 Well: Big Indian 36-42 Operations Date: 05/04/2005

Surface Location: SESW-36-29S-24 E 6th PM Area: Big Indian Report #: 11

Spud Date: 04/23/2005 Days From Spud: 11 Depth At 06:00: 4803

Morning Operations: Drlg @4803' Estimated Total Depth: 5800

Remarks:

Trip in, 1st Survey 2200', then every 300' to 4660', Sliding Time To Description 41% 9 fph, rotating 20 fph

1:00 PM Drlg 4626'- 4660 10 wob, 74rpm

6:00 AM Drlg 4660'- 4803'

Well: Big Indian 36-42 API#: 4303731827 Operations Date: 05/03/2005

Surface Location: SESW-36-29S-24 E 6th PM Area: Big Indian Report #: 10

Spud Date: 04/23/2005 10 Depth At 06:00: 4648 Days From Spud:

Morning Operations: 4648' Drlg Estimated Total Depth: 5800

Remarks:

Surveys @ 4555' #1 61/2° (7° clock), #2 10° (14° clock), #3 Time To Description 7° (7° clock)

10:00 AM Drlg 4366'- 4460' 10 wob, 74 rpm

10:30 AM Survey @ 4430' 5°

4:00 PM Drig 4460'- 4585' 10 wob, 74 rpm

7:00 PM Survey 4555' 3 times 61/2°

1:00 AM Trip f/ Bit 6:00 AM Drlg 4585'- 4648' 10 wob, 74 rpm

FORM 9	STATE OF	TAN		ļ			
	IVISION OF OIL, GA	5. Lease Designation and Serial No. ST-UT-37067					
SUNDRY NOTICES AND REPORTS ON WELLS					6. If Indian, Allotte or Tribe Name		
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.					NA		
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.					7. Unit Agreement Name		
					NA		
1. Type of Well	IAI IMPLIATIVA	<ol> <li>Well Nan</li> </ol>	NA ne and Number				
On wen				Dig mulan 50-42			
2. Name of Operator: Contact:				9. API Well Number			
EnCana Oil & Gas (USA) Inc. Phone:					43-037-31827		
<ol> <li>Address and Telephone No.</li> <li>370 Seventeenth Street, Suite 1700, Denver, CO 80202</li> </ol>					10. Field and Pool, or Exploratory Area		
4. Location of Well	ii Sueet, Suite 1700,	Deliver, CO 8	0202	<u> </u>	Big Indian		
	, 1813' FWL			Country	Son Ivon		
	ec 36-29S-24E			County: San Juan			
QQ, sec 1,K,M. SES W Se	30-293-24E			State:	Utah		
11. CHECK A	PPROPRIATE BOX(ES	) TO INDICATE N	NATURE OF NOTICE, R	EPORT, OR	OTHER DATA		
	CE OF INTENT			UBSEQUENT REPORT			
(Sub	mit in Duplicate)		(Submit Original Form Only)				
Abandon	New Constru	ction	Abandon*		New Construction		
Repair Casing	Pull or Alter	Casing	Repair Casing		Pull or Alter Casing		
Change Plans	Recomplete		Change Plans		Recomplete		
Convert to Injection	Reperforate		Convert to Injection		Reperforate		
☐ Fracture Treat or Acidize	☐ Vent or Flare		Fracture Treat or Acidize		☐ Vent or Flare		
Multiple Completion		Off			☐ Water Shut-Off		
Other			Other Weekly	ekly Report of Activity through 5/16/05			
Approximate date work will sta	ırt	<del></del>	Date of work completion		cuvity dirough 5/16/05		
		_	Report results of Multiple Completic		ons to different reservoirs		
	and the state of the state of the		on WELL COMPLETION OR REC	COMPLETION RE	PORT AND LOG form.		
			* Must be accompanied by				
12. Describe Proposed or completed Operation							
If the proposal is to deepen directionally of Attach the Bond under which the work wil							
following completion of the involved opera							
testing has been completed. Final Abando							
determined that the site is ready for final in	nspection.)						
Completi	on operations began	on the Big Indi	ian 36-42 on 5/13/05.	Attached	for		
-		_	ctivity from 5/13/05 t				
<b>,</b>			,				
:							
13							
13. Name (Printed/Typed)		Title					
Jane Washburn			Operations Engineer	ing Tech			
Signature	Dark by	Date	05/17/2005				
	MAN GUM						
(This space for State use only)							

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3

2





Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 05/16/2005

Report #:

**End Time** 

Description

AFE #: 4831590

Summary: Bond log and TIH w/ tbg

6:00 PM

Rig up. N/U BOPE. R/U Lone wolf WL and run CCL bond log. Tag @ 6026 w/ e-line. Spot in 400 bbl tank and fill w/ 2% KCL. Unload 197

jts of 2 3/8 L-80 EUE tbg. R/D Lone Wolf WL. Pressure test csg to 3000 psi and hold for 20 mins. TIH w/ 5 1/2 casing scaper w/ 4 3/4 rock bit and 192 jts. Tag @ 6030 w/ 192 in out 25'. L/D 2 jts and

SWIFN.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 05/15/2005

Report #:

**End Time** 

Description

6:00 PM

Shut down.

AFE #: 4831590 Summary: Shut down.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 05/14/2005 AFE #: 4831590

Report #:

**End Time** 

Description

6:00 PM

Shut down.

Summary: Shut down

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 05/13/2005 AFE #: 4831590

Report #:

**End Time** 

Description

6:00 PM

N/U casing head. Blade location. MIRU. Shut down.

Summary: MIRU.

FORM 9	1			5. Lease I	Designation and Serial No. ST-UT-37067		
SUNDRY NOTICES AND REPORTS ON WELLS				6. If India	n, Allotte or Tribe Name		
	use this form for proposals to drill new wells, deepen			G. XX. A	NA		
Use	APPLICATION FOR PERMIT TO DRI	LL OR DEEPEN form for s	uch proposals.	]/. Unit A	greement Name NA		
1. Type of Well		$\cap$	DAITINTAITI!	8. Well N	ame and Number		
	Oil Well  Gas Well	Other	UNTIUENTI		Big Indian 36-42		
2. Name of Opera	ntor:	Contact:		9. API W	ell Number		
	ana Oil & Gas (USA) Inc.	Phone:			43-037-31827		
3. Address and Te	•			10. Field a	and Pool, or Exploratory Area		
	Seventeenth Street, Suite 1	700, Denver, CO	30202		Big Indian		
4. Location of We				C	Can Incan		
Footages:	553' FSL, 1813' FWL SESW Sec 36-29S-24E			County:	San Juan		
QQ, Sec T,R,M:	SESW SEC 30-298-24E			State:	Utah		
11.	CHECK APPROPRIATE BOX	K(ES) TO INDICATE		<u>.</u>			
	NOTICE OF INTENT		l .	-	NT REPORT		
П.,	(Submit in Duplicate)		l	ubmit Origi	nal Form Only)		
L Abandon	∐ New Co		☐ Abandon*		New Construction		
Repair Casing	☐ Pull or	Alter Casing	Repair Casing		☐ Pull or Alter Casing☐ Recomplete		
☐ Change Plans☐ Convert to Inject			Change Plans		Reperforate		
Fracture Treat of			☐ Convert to Injection☐ Fracture Treat or Acidiz	20	☐ Vent or Flare		
Multiple Complet	П.и.	Shut-Off	Tracture Treat of Acidiz	.6	☐ Water Shut-Off		
Other			☑ Other				
Approximate date	work will ctort				Activity through 5/16/05		
Approximate date	WOIK WIII Statt		Date of work completion Report results of Multiple Complet		aletions to different reservoirs		
			on WELL COMPLETION OR RE				
			* Must be accompanied by				
If the proposal is to de Attach the Bond under following completion o testing has been comple	completed Operation (clearly state all pertinent epen directionally or recomplete horizontally, g which the work will be performed or provide th f the involved operations. If the operation resul eted. Final Abandonment Notices shall be filed is ready for final inspection.)	ive subsurface locations and mer e Bond No. on file with the BLN ts in a multiple completion or re	usured and true vertical depths of all portions of all portions. Required subsequent reports si completion in a new interval, A form 3	ertinent markers hall be filed with 160-4 shall be fi	and zones. in 30 days led once		
Completion operations continue on the Big Indian 36-42. Attached for your information are daily reports detailing activity through 5/23/05.							
13. Name (Printed/Typ	oed)	Title					
	Washburn	1	Operations Engineer	ring Tech			
Signature	an Muhben	Date	05/23/2005	<u> </u>			
(This space for Sc							

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Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 05/23/2005

Report #:

**End Time** 

Description

AFE #: 4831590

6:00 PM

240 SIWP. Open well up on 48/64 choke blew down in 15 mins. Left

on for 1 hour no fluid And had little blow. Shut well in and get gas

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 05/22/2005

Summary: Flowtest.

Report #:

Summary: 240 SIWP. Blew down and shut back in.

10 **End Time** 

Description

AFE #: 4831590

6:00 PM

10 psi @ wellhead flowing dry gas on 48/64 choke. Shut well in for 4

hrs. Build up to 200 psi. Open up to tank blew down and no fluid. flow on 48/64 choke. 0 bbls recovered. 491.7 bbls left to recover.

Shut well in.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 05/21/2005

Report #:

**End Time** 

Description

AFE #: 4831590

6:00 PM

10 psi @ well head flowing dry gas on 48/64 choke. Recover 154.3

bbls. left to recover 491.7. flowtest to tank.

Summary: Flow test.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 05/20/2005 AFE #: 4831590

Report #:

**End Time** 6:00 PM

Description

Summary: Frac treat interval #1 desert creek @

5980-6010 w/ SLB foam frac.

R/U Stinger and install isolation tool. R/U SLB to Stinger. Hold safety meeting regarding frac and flowback operations. Pressure test fluid and N2 lines to 9000 psi. Frac treat interval #1 @ 5980-6010 w/ 75Q foam frac and 46000# of 20/40 sand. 0 SIWP. Fill hole w/ 64 bbls of 3% KCL. Break formation @ 2868 psi @ 4 bpm. Pump 1000 gals of 15% HCL acid pad pump acid 10 bbls short of top perf. ISIP=2640. flush acid to perfs ISIP=2640. Pump job Run out of sand on Stage 9 Flush to perfs. ISIP= 4240. SIP 5 min= 4080, 10 min= 4063, 15 min= 4048. Shut well in. R/D SLB and Stinger. Avg rate= 25 bpm. Avg psi= 4000. Open well up on 20/64 choke to flowback tank w/ 4000

psi. bbls to recover 646. flow wel

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 05/19/2005

Report #:

**End Time** 

Description

AFE #: 4831590

6:00 PM

Shut down.

Summary: Shut down.





Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 05/18/2005

Report #:

**End Time** 

Description

AFE #: 4831590

5980-6010.

Summary: Perforate interval #1 desert creek @

Summary: Clean out and come out laying down.

1:00 PM

N/D BOPE. N/U Stinger frac valve. Hold safety meeting regarding perforation operations. R/U Lone Wolf WL to perforate interval #1

desert creek @ 5980-6010 30' w/ 120 deg phasing, 3 3/8 expendable casing guns loaded w/ 23g charges, 4 jspf and 120 holes. Made to gun runs 18'and 12'. No pressure. R/D Lone Wolf

WL. Shut well in RDMO.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 05/17/2005 AFE #: 4831590

Report #:

**End Time** 

Description

6:00 PM

5

RIH w/ 1jt. R/U power swivel w/ 1 jt and circualate to 6048. L/D 1 jt and R/D swivel. Swab well down 2000'. L/D !91 jts And R/D Floor.

SWIFN.

Well Name: Big Indian 36-42

Summary: Bond log and TIH w/ tbg

API: 4303731827

Area: Big Indian

Ops Date: 05/16/2005

Report #:

**End Time** 

Description

AFE #: 4831590

6:00 PM

Rig up. N/U BOPE. R/U Lone wolf WL and run CCL bond log. Tag @ 6026 w/ e-line. Spot in 400 bbl tank and fill w/ 2% KCL. Unload 197 jts of 2 3/8 L-80 EUE tbg. R/D Lone Wolf WL. Pressure test csg to 3000 psi and hold for 20 mins. TIH w/ 5 1/2 casing scaper w/ 4 3/4 rock bit and 192 jts. Tag @ 6030 w/ 192 in out 25'. L/D 2 jts and

SWIFN.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 05/15/2005

Report #:

**End Time** 

Description

AFE #: 4831590

6:00 PM

Shut down.

Summary: Shut down

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 05/14/2005

Report #: 2

3

**End Time** 

Description

AFE #: 4831590

6:00 PM

Shut down

Summary: Shut down

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 05/13/2005

Report #:

**End Time** 

Description

AFE #: 4831590

6:00 PM

N/U casing head. Blade location. MIRU. Shut down.

Summary: MIRU.

FORM 9	STATE OF U	<b>ЈТАН</b>			
	ISION OF OIL, GA			1	ation and Serial No. UT-37067
SUNDRY NO	TICES AND RE	PORTS ON W	VELLS		otte or Tribe Name
Do not use this form for proposals	to drill new wells, deepen existing	wells, or to reenter plugged an	d abandoned wells.	NA	
Use APPLICATION FO	R PERMIT TO DRILL OF	R DEEPEN form for su	ch proposals.	7. Unit Agreeme	ent Name
		on the same		NA	
1. Type of Well	<b>=</b>		INENTIN	8. Well Name as	
	✓ Gas Well	Other UN	INTIAL		Indian 36-42
2. Name of Operator:		Contact:		9. API Well Nu	
EnCana Oil & Gas	s (USA) Inc.	Phone:			037-31827
3. Address and Telephone No.		D 00 0	0000	I .	ol, or Exploratory Area
370 Seventeenth S	street, Suite 1700,	Denver, CO 8	0202	Big	Indian
4. Location of Well	0121 537				<del>-</del>
Footages: 553' FSL, 13				-	Juan
QQ, Sec T,R,M: SESW Sec 3	36-29S-24E			State: Uta	h
11. CHECK APPI	OPRIATE BOY/ES	TO INDICATE	NATURE OF NOTICE, I	PEDORT OF OT	HED DATA
	OF INTENT	) TO INDICATE I		UBSEQUENT R	
(Submit	in Duplicate)			ubmit Original Fo	
Abandon	New Constru	ction	☐ Abandon*	-	New Construction
Repair Casing	Pull or Alter	Casing	Repair Casing		Pull or Alter Casing
Change Plans	Recomplete		Change Plans		Recomplete
Convert to Injection	Reperforate		Convert to Injection		Reperforate
☐ Fracture Treat or Acidize	☐ Vent or Flare		Fracture Treat or Acidiz	7e	Vent or Flare
Multiple Completion	☐ Water Shut-0	Off			☐ Water Shut-Off
Other			☑ Other		
			Weekl	y Report of Activi	ty through 5/16/05
Approximate date work will start		_	Date of work completio		
			Report results of Multiple Complet on WELL COMPLETION OR RE	·='	
			* Must be accompanied by		
-	performed or provide the Bond s. If the operation results in a int Notices shall be filed only af etion.)  Operations contin	No. on file with the BLM/multiple completion or receiver all requirements, include the receiver all requirements and the second of the second	BIA. Required subsequent reports sompletion in a new interval, A form	shall be filed within 30 day 3160-4 shall be filed once ed, and the operator has	S
i					
13. Name (Printed/Typed)		Title	1		
Jane Washburn			Operations Enginee	ring Tech	
Signature //	an la lor.	Date	06/01/2005		

RECEIVED
JUN 0 6 2005

## REGULATORY COMPLETION SUMMARY CONFIDENTIAL





Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 05/30/2005

Report #:

**End Time** 

Description

AFE #: 4831590

6:00 PM

Shut down.

Summary: Shut down.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 05/29/2005

Report #: 16 **End Time** 

Description

AFE #: 4831590

6:00 PM

Shut down.

Summary: Shut down

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 05/28/2005

Report #:

15

**End Time** 

Description

AFE #: 4831590

6:00 PM

Shut down.

Summary: Shut down.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 05/27/2005

Report #: 14

**End Time** 

Description

AFE #: 4831590

6:00 PM

0 SIWP. R/U to swab. Made 8 swab runs and wheen to hourly swab runs. recover 127 bbls. Had little gas flow after each run. SWIFN.

Summary: 0 SIWP. Swab well down and flow test.

Summary: MIRU. 600 psi on well. Clean out to

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 05/26/2005

Report #:

**End Time** 

Description

AFE #: 4831590

PBTD.

6:00 PM

Rig up and spot equipment. 600 SIWP blew down in 15 mins. N/D frac valve and N/U BOPE. RIH w/ noch collar, 4' sub, 1.81 F-nipple, 1 jt, 1.87 F-nipple and 188 jts. Tag @ 5952. R/U to circu. Wash

down 6' bridge. Run to PBTD and circu clean. L/D 5 jts. EOT @

5809. SWIFN.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 05/25/2005

Report #:

**End Time** Description

AFE #: 4831590

12

6:00 PM

520 SIWP. R/U Phoenix SL and run TD. Tag @ 5970. R/D Phoenix

and left well shut in.

Summary: 520 SIWP. Run TD tag @ 5970 w/ SL

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 05/24/2005

Report #: 11

**End Time** 

Description

AFE #: 4831590

6:00 PM

340 SIWP.

Summary: 340 SIWP.

Report by Wellcore

June 01, 2005 02:19 PM

FORM 9	STATE	OF UTAH		1	
1014117				5. Lease D	esignation and Serial No.
					ST-UT-37067
S	SUNDRY NOTICES AND	REPORTS ON V	VELLS	6. If Indian	n, Allotte or Tribe Name
Do not	use this form for proposals to drill new wells, deepen	existing wells, or to reenter plugged a	nd abandoned wells.		NA
Use	APPLICATION FOR PERMIT TO DR	ILL OR DEEPEN form for s	uch proposals.	7. Unit Ag	reement Name
		LUVIE	IDENTIAL		NA
1. Type of Well			IULIVIIAL	8. Well Na	ame and Number
	Oil Well	U Other			Big Indian 36-42
2. Name of Opera		Contact:		9. API We	
	ana Oil & Gas (USA) Inc.	Phone:		10 Field a	43-037-31827
3. Address and Te	Seventeenth Street, Suite 1	700 Denver CO S	20202	10. Fleid a	nd Pool, or Exploratory Area Big Indian
4. Location of Wei		700, Deliver, CO 6	0202		Dig mulan
Footages:	553' FSL, 1813' FWL			County:	San Juan
QQ, Sec T,R,M:	SESW Sec 36-29S-24E			State:	Utah
QQ, 500 1,1C,141.	525 W 500 50 275 24E			State.	Ottali
11.	CHECK APPROPRIATE BO	X(ES) TO INDICATE	NATURE OF NOTICE, I	REPORT, O	R OTHER DATA
	NOTICE OF INTENT			-	NT REPORT
	(Submit in Duplicate)		<b></b>	ubmit Origir	nal Form Only)
L Abandon	=	onstruction	☐ Abandon*		New Construction
Repair Casing		Alter Casing	Repair Casing		☐ Pull or Alter Casing
☐ Change Plans	∐ Recom		Change Plans		☐ Recomplete
Convert to Inject	П., .		Convert to Injection		Reperforate Vent or Flare
☐ Fracture Treat or ☐ Multiple Complet	Acidize —	Shut-Off	Fracture Treat or Acidia	ze	☐ Water Shut-Off
Other			☑ Other		_ water share on
				of Activity	through 6/12/05
Approximate date	work will start		Date of work completio		
			Report results of Multiple Comple on WELL COMPLETION OR RE	•	
			* Must be accompanied by		
12. Describe Proposed or	completed Operation (clearly state all pertinen	t details, including estimated start			
	epen directionally or recomplete horizontally,				
	which the work will be performed or provide to f the involved operations. If the operation resu				
	eted. Final Abandonment Notices shall be filed				
	is ready for final inspection.)		,	,	
	Completion operations co	ontinue on the Big	Indian 36-42. Attach	ed for	
	your information are dail	y reports detailing	activity from 5/31/05	through 6/	12/05.
13. Name (Printed/Typ	ned)	Title			
, -,	Washburn 1	1	Operations Enginee	ring Tech	
Signature	Mile II broklasi	Date	06/13/2005		
	you partien	<u></u>			
(This space for St	ate use only)				

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Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 06/12/2005 AFE #: 4831590

Report #: 30

**End Time** 6:00 PM

Description

Shut down.

Summary: Shut down.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 06/11/2005

Report #:

**End Time** 

Description

AFE#: 4831590

6:00 PM

Shut down.

Summary: Shut down

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 06/10/2005

Report #:

**End Time** 

Description

AFE #: 4831590

6:00 PM Summary: 450 SIWP. Blew down. RIH tag @ 5769

28

circulate 30' fill had some oil come back. L/D 7 jts EOT @ 5590. Recover 90 bbls

swabbig. SWIFN.

450 SWIP. Blew down to flow back tank on 2". Well just venting gas N/D frac valve and N/U BOPE. RIH w/ noch collar, 1.81 F-nipple, 1jt, 1.87 F-nipple and 183 jts. Tag @ 5769 w/ 183 jts in up 10'. R/U to circualate. Clean out 30' to frac plug had some oil ontop. Circulate

hole clean. L/D 7 jts EOT @ 5590 w/ 177 jts in. RIH w/ swab made 7

runs and recovered 90 bbls. SWIFN.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 06/09/2005

Report #: 27 **End Time** 

Description

AFE #: 4831590

6:00 PM

MIRU. 580 SIWP Open up on 2" to flow back tank. Wait on trucks.

spot in rig equipment. SWIFN.

Summary: MIRU.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 06/08/2005

Report #:

**End Time** 

Description

AFE #: 4831590

6:00 PM

700 SIWP. Open up on full 2" to tank. Unloaded 10 bbls. Pressure come down to 20 psi and flowing lite mist. Flow test. Started blowing

dry. SWIFN.

Summary: 700 SIWP. Open well up on fill 2" choke to flowback tank. Unloaded 10 bbls.

Pressure come down to 20 psi and flowing heavy mist to tank. Flow test.

SWIFN.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 06/07/2005

Report #: 25

**End Time** 

Description

AFE #: 4831590

26

6:00 PM

**500 SIWP** 

Summary: 500 SIWP.



Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 06/06/2005

Summary: 9 psi on well head. Shut well in and R/D

4.70 JBGR tag sand.

Northland flowback equipment. RIH w/

Report #: 24

**End Time** 

Description

AFE #: 4831590

6:00 PM

9 psi @ wellhead. Shut well in and R/D Northlands flowback equipment. R/U Lone WolF WL. Hold safety meeting on wireline operations, 300 SIWP, RIH w/ 4.70 JBGR and tag fluid @ 1800. Tag

sand @ 5755 w/ 45' of sand ontop of frac plug. R/D Lone Wolf WL.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 06/05/2005

Report #: 23

**End Time** 

Description

AFE #: 4831590

6:00 PM

26 psi @ wellhead. Flowing on 32/64 choke. Burn thur the flair stack

for 4 hours. Not making fluid @ 15% Co2.

Summary: flow back

API: 4303731827

Area: Big Indian

Ops Date: 06/04/2005

Report #: 22

**End Time** 

Description

AFE #: 4831590

Well Name: Big Indian 36-42

6:00 PM

510 psi @ well head flowing thur Northlands equipment. Recover 33.0 bbls from 677.8. Left to recover 644.8 bbls. Bringing back little

sand and mosty Co2. Flowback.

Well Name: Big Indian 36-42

AFE #: 4831590

API: 4303731827

Area: Big Indian

Ops Date: 06/03/2005

Summary: 510 psi @ well head flowing thur

Northlands equipment.

21

**End Time** 

6:00 PM

Description

Summary: Set frac plug and perforate interval #3 Gothic @ 5660-80, 5690-5705. Frac treat interval #3 w/ 75Q/ Co2 Clearfrac and 54000# of 20/40 sand. Pump stages w/ 1 to 4 # sand. Avg psi =3039, Max psi =

Report #:

4186. Avg rate = 24.5 bpm, Max rate = 41.3. clear fluid pumped = 677.8 bbls.

20 psi @ wellhead. Flowing little gas. Get gas sample. Shut well in R/U Lone Wolf WL. Hold safety meeting on perforation operations. RIH w/ 4.70 JBGR to 5820. Set HES 8k frac plug @ 5800 and perforate interval #3 Gothic @ 5660-5680,5690-5705 w/ 4 jspf, 120 deg phasing w/ 3 3/8 expendable casing guns. Loaded w/ 23g charges. Made 2 gun runs 15' and 20' 35' total w/ 140 holes. R/D Lone Wolf WL. R/U Stinger and install isolation tool. R/U SLB to Stingers isolation tool. Hold safety meeting regaurding fracing and flowback operations. Pressure test Fluid and Co2 lines to 9000 psi. Frac treat interval # 3 Gothic @ 5660-5680, 5690-5705 w/ SLB 75Q

Co2 clearfrac and 54000# of 20/40 sand. 314 SIWP. Fi

Well Name: Big Indian 36-42

Summary: Flow test thur Northland.

API: 4303731827

Area: Big Indian

Ops Date: 06/02/2005

Report #:

**End Time** 

Description

AFE #: 4831590

6:00 PM

Well flowing on 32/64 choke w/ 545 psi @ wellhead. Making little water and 60 % Co2. Flowing @ 1.7 MMcf/d. BBLs recovered 220.

Left to recover 416. Try to burn every hour to much Co2. flow back.

Tilman Americ

## REGULATORY COMPLETION SUMMARY

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 06/01/2005

Report #: 19

**End Time** 

AFE #: 4831590

Summary: Frac treat interval #2 Desert creek (#2)

@ 5850-5880 w/ 75Q/ Co2 clearfrac w/ 60000 lb of 20/40 sand. Pump 10 stages w/ 1 to 4 # sand. Avg psi = 3294, Max psi = 4704. Avg rate = 28.4 bpm, Max rate = 40.5. Clear fluid pumped 676.0 bbls.

CONFIDENTIAL

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 05/31/2005

Report #: 18

End Time

AFE#: 4831590

Summary: Swab test. L/D tbg and perforate interval

#2 desert creek (#2) @ 5850-80. RDMO.

FORM 9	STATE OF	UTAH			,
				5. Lease Designa	tion and Serial No.
			ST-U	JT-37067	
SUNDRY NOTICES AND REPORTS ON WELLS			6. If Indian, Allot	tte or Tribe Name	
	use this form for proposals to drill new wells, deepen existing			NA	. NY.
Use	APPLICATION FOR PERMIT TO DRILL O	R DEEPEN form for su	ch proposals.	7. Unit Agreeme	nt Name
1. Type of Well				NA 8. Well Name an	d Number
	Oil Well 🖸 Gas Well	Other	فيالسالا الالسا	1	Indian 36-42
2. Name of Opera	ator:	Contact:		9. API Well Num	
<del>-</del>	ana Oil & Gas (USA) Inc.	Phone:		43-0	37-31827
3. Address and Te	=	•		10. Field and Poo	l, or Exploratory Area
	Seventeenth Street, Suite 1700	, Denver, CO 8	0202	Big	Indian
4. Location of We					
Footages:	553' FSL, 1813' FWL			•	Juan
QQ, Sec T,R,M:	SESW Sec 36-29S-24E			State: Utak	1
11.	CHECK APPROPRIATE BOX(E	S) TO INDICATE 1			
	NOTICE OF INTENT			UBSEQUENT RE	
П., .	(Submit in Duplicate)		I `	ubmit Original For	
L Abandon	☐ New Constr ☐ Pull or Alter		Abandon*		New Construction
Repair Casing	Recomplete		Repair Casing		☐ Pull or Alter Casing ☐ Recomplete
☐ Change Plans ☐ Convert to Inject	L-1 -		Change Plans Convert to Injection		Reperforate
☐ Fracture Treat or	[]		Fracture Treat or Acidiz	re	☐ Vent or Flare
Multiple Complet	tion Water Shut	-Off			☐ Water Shut-Off
Other			☑ Other		
Approximate date	work will start	<del></del>	Date of work completion	of Activity through	n 6/20/05
			Report results of Multiple Complet		different reservoirs
			on WELL COMPLETION OR RE		
12 Describe Proposed or	completed Operation (clearly state all pertinent detail	le including estimated starti	* Must be accompanied by		
	eepen directionally or recomplete horizontally, give su			-	
	which the work will be performed or provide the Bor			•	
	of the involved operations. If the operation results in				
	eted. Final Abandonment Notices shall be filed only as ready for final inspection.)	after all requirements, includ	ing reclamation, have been complete	d, and the operator has	
	Completion operations are in	progress on the	Big Indian 36-42. A	Attached for	
	your information are daily re	ports detailing a	ctivity from 6/13/05	through 6/20/05	5.
13.					
Name (Printed/Typ	• •	Title	O	·	
	Washburn	Dote	Operations Enginee	ring 1 ech	
Signature	Due Wash Blun	Date	06/20/2005		
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CONTINE

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 06/20/2005

Report #: 37

**End Time** 

Description

AFE #: 4831590

Summary: 280 SIWP. Open up on 48/64 choke to

tank. Blew down. Unloaded 2 bbls. RIH w/ noch collar and 184 jts. Tag frac plug @ 5800. L/D 7 jts EOT @ 5590 w/ 177 jts in. R/U to swab.recover 150 bbls. Total recover 902.2 bbls. Left to recover 1219.8

6:00 PM

280 SIWP. Open up on 48/64 choke to tank. Blew down. Unloaded 2 bbls. RIH w/ noch collar, 2' sub, 1.81 F-nipple, 1 jt, 1.87 F- nipple and 184 jts. Tag frac plug @ 5800. L/D 7 jts. EOT @ 5590 w/ 177 jts in P/I to swah mode 14 swah russ and recover 150 bbls. Total

in. R/U to swab made 14 swab runs and recover 150 bbls. Total recovered 902.2 bbls. Left to recover 1219.8 bbls w/ 120 psi on csq.

SWIFN.

bbls w/ 120 psi on csg. SWIFN.

Summary: 5 psi @ wellhead flowing little fluid on

Summary: 660 SIWP. Re-frac interval #3 Gothic @

Summary: 460 SIWP. Re-frac interval #3 Gothic @

down to fix blended.

5660-5680, 5690-5705 w/ SLB slickwater

frac and w/ 43300 lb of 20/40 sand. Pump

9 stages Avg psi-3659, Max psi-5043.

flowback. BBLs to recover 2122.9.

Avg rate-41.6, Max rate-56.7. Total fluid

pumped 2044. ISIP-2870. Open well up

32/64 choke. Well deid shut well in.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date : 06/18/2005 AFE # : 4831590 Report #: 36

**End Time** 

Description

6:00 PM

5 psi @ wellhead flowing little fluid on 32/64 choke. Well deid shut

well in. recovered 752.7 bbls. Left to recover 1369.3 bbls.

recovered 752.7 bbls. Left to recover 1369.3 bbls.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 06/17/2005

Report #: 35

**End Time** 

Description

AFE#: 4831590

6:00 PM

Hold safety meeting regarding fracing and flow back operations. 660 SIWP. Refrac interval # 3 Gothic @ 5660-5680, 5690-5705 w/ SLB slickwater frac and 43300 lb of 20/40 sand. Pump 714 bbls of 15% HCL acid. Start job pump 9 stages. ISIP = 2870. 5 min = 2855, 10 min = 2844, 15 min = 2836. Shut well in Avg psi = 3659. Max psi = 5043. Avg rate = 41.6. Max rate = 56.7. Total slurry 2044.0 bbls. R/D SLB and Stinger. Open well up on 20/64 choke to flow back tank w/

2775 psi @ wellhead. BBLs to recover 2122.9. Flowback.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 06/16/2005

Report #: 34

**End Time** 

Description

AFE #: 4831590

6:00 PM

460 SIWP. R/U Stinger and install isolation tool. R/U SLB to isolation tool. Wait on acid transport and 2 pump trucks. Hold Safety meeting

regarding fracing and flowback operations. Pressure test fluid lines to 9000 psi. 588 SIWP. Fill hole w/ 80 bbls and break formation @ 3262. Pump 1000 gals of 15% HCL acid shut down had a leak. Displace 7 bbls of acid to perfs. ISIP = 2800 Shut down and fix

manifold on blender. Shut down.

5660-5680, 5690-5705 w/ SLB slickwater frac w/ 43300 lb of 20/40 sand. Shut

33



Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 06/15/2005

Report #:

**End Time** 6:00 PM

AFE #: 4831590

Summary: 540 SIWP. Reperforate interrval #3 Gothic @ 5660-5680, 5690-5705. 540 psi

@ well head blow down on 32/64 choke. RIH and swab test. Dry POOH and

SWIFN.

Description

540 SWIP. R/U Lone Wolf WL. Hold safty meeting on perforating operations. Re-perforate interval # 3 @ 5660-5680, 5690-5705 w/ 4 jspf and 120 deg phasing w/ 3 3/8 expendable casing guns. Loaded w/ 23g charge. 35' and 140 holes. Made 2 gun runs 15' and 20'. R/D

Lone Wolf WL. Open well up on 32/64 choke to tank.

Well Name: Big Indian 36-42

31

Area: Big Indian

Ops Date: 06/14/2005

Report #: 32

**End Time** 

Description

API: 4303731827

AFE #: 4831590

6:00 PM

740 SITP. 850 SICP. Blew tbg down to tank. RIH w/ swab and tag fluid @ 2500. Made 2 runs and tbg started flowing. Unloaded 12 bbls and blow dry. Try getting a rate test tbg died. RIH w/ swab Make dry

run go to hourly runs dry. Total bbls recovered 14. Blow down csg

and POOH. SWIFN.

bbls. Could'nt get on rate test. Swab test. POOH and SWIFN.

Summary: 740 SITP, 850 SICP. Blew tbg down to

tank. RIH w/ swab tag fluid @ 2500.

Made 2 runs stated flowing. Recover 12.0

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 06/13/2005

Report #:

**End Time** 6:00 PM

Description

AFE #: 4831590

Summary: 1020 SITP, 1050 SICP, Fowtest to tank for 5 hrs. Recover 80 bbls. RIH w/ swab and tag fluid @ 4200. Recover 13 bbls

swabing. Total bbls recovered 93.

SWIFN..

1020 SITP. 1050 SICP. Open tbg up on 20/64 choke to flowback tank. TBG dieded open up on 2" started unloading. Flowtest for 5 hrs. tbg died and recover 80 bbls. RIH w/ swab and taged fluid @ 4200. Made 5 swab runs of gas cut fluid and recover 13 bbls. Tbg

flowed after each run. Total bbls recovered 93. SWIFN.

TODA OF CTATE OF	T I'T A YY		l	
FORM 9 STATE OF DIVISION OF OIL, GA			5 Lease Γ	Designation and Serial No.
ZATAZZIT GA GALLI JATAZZIA G			J. Dease E	ST-UT-37067
SUNDRY NOTICES AND RI	EPORTS ON W	VELLS	6 If India	n, Allotte or Tribe Name
Do not use this form for proposals to drill new wells, deepen existin			0. 11 111011	NA
Use APPLICATION FOR PERMIT TO DRILL O			7. Unit Ag	greement Name
	COME	INCARTAL	1	NA
1. Type of Well	UUIVI	TULNTIAL	8. Well N	ame and Number
Oil Well Gas Well	Other			Big Indian 36-42
2. Name of Operator:	Contact:		9. API We	ell Number
EnCana Oil & Gas (USA) Inc.	Phone:			43-037-31827
3. Address and Telephone No.		0000	10. Field a	nd Pool, or Exploratory Area
370 Seventeenth Street, Suite 1700	, Denver, CO 8	0202	<u> </u>	Big Indian
4. Location of Well			~ .	
Footages: 553' FSL, 1813' FWL			County:	San Juan
QQ, Sec T,R,M: SESW Sec 36-29S-24E			State:	Utah
11. CHECK APPROPRIATE BOX(E	S) TO INDICATE 1	NATURE OF NOTICE. I	REPORT. O	R OTHER DATA
NOTICE OF INTENT		<del></del>		NT REPORT
(Submit in Duplicate)		(S	ubmit Origii	nal Form Only)
Abandon New Constr	uction	☐ Abandon*		New Construction
Repair Casing Pull or Alter	Casing	Repair Casing		Pull or Alter Casing
Change Plans Recomplete		Change Plans		Recomplete
Convert to Injection Reperforate		Convert to Injection		Reperforate
Fracture Treat or Acidize		Fracture Treat or Acidiz	ze	☐ Vent or Flare
Multiple Completion Water Shut	-Off			☐ Water Shut-Off
☐ Other		Other Report	of Activity	through 6/27/05
Approximate date work will start	<del>_</del>	Date of work completion		
		Report results of Multiple Complet	tions and Recomp	letions to different reservoirs
		on WELL COMPLETION OR RE		
12. Describe Proposed or completed Operation (clearly state all pertinent detail	ls. including estimated starti	* Must be accompanied by		····
If the proposal is to deepen directionally or recomplete horizontally, give su		· · · · · · · · · · · · · · · · · · ·	-	
Attach the Bond under which the work will be performed or provide the Bon				•
following completion of the involved operations. If the operation results in a				
testing has been completed. Final Abandonment Notices shall be filed only determined that the site is ready for final inspection.)	after all requirements, includ	ling reclamation, have been complete	d, and the operate	or has
and the state of t				
Completion operations are in	progress on the	Big Indian 36-42	Attached f	or
your information are daily re		-		
, , , , , , , , , , , , , , , , , , ,	L 21.12 (1.21.11.11.12)		un o ugu o	27703.
13.	T	-		
Name (Printed/Typed)	Title	0 4 5		
Jane Washburn	Dete	Operations Enginee	rıng Tech	
Signature QU (1) est Mu	Date	06/28/2005		
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Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 06/27/2005

Report #:

**End Time** 

AFE #: 4831590

6:00 PM

140 SIWP. Open up on 64/64 choke to tank. Blew down and started

unloading fluid. Recover bbls 49.1in 4 hrs. Well died. Left to recover

bbls. SWIFN.

Description

Summary: 140 SIWP. Open up on 64/64 choke to tank. Blew down and started unloading fluid. Recover 49.1 bbls in 4 hrs. Well dieded. Left to recover 2072.3 bbls.

SWIFN

Well Name: Big Indian 36-42

Area: Big Indian

Ops Date: 06/24/2005

Report #:

**End Time** 

Description

AFE #: 4831590

Summary: 400 SIWP. Open up on 64/64 choke to tank. Blew down and started unloading. Flowed for 5 hrs and dieded, recover 39.6 bbls . Total bbls recovered 790.1. Left to

API: 4303731827

400 SIWP. Open up on 64/64 choke to tank. Blew down and started

unloading. Flowed for 5 hrs and dieded. recover 39.6 bbls . Total

bbls recovered 790.1. Left to recover 2121.4. SWIFN.

recover 2121.4. SWIFN.

API: 4303731827

Area: Big Indian

Area: Big Indian

Ops Date: 06/23/2005

Well Name: Big Indian 36-42

Report # ·

40

39

**End Time** 6:00 PM

6:00 PM

Description

AFE #: 4831590

Summary: 5 psi @ well head bringing slugs of fluid on 64/64 choke. Recovered 731.2 bbls from 2911.5 pumped. Left to recover 2180.3 Shut well in for 2 hrs. Open up

Flow for 5 1/2 hrs and dieded. Recovered 19.3 bbls. Left to recover 2161 bbls.

**SWIFN** 

5 psi @ well head bringing slugs of fluid on 64/64 choke. Recovered 731.2 bbls from 2911.5 pumped. Left to recover 2180.3. Shut well in for 2 hrs. Open up and recovered 19.3 bbls. Flowed off and on for 5

1/2 Hrs then dieded. Left to recover 2161 bbls. SWIFN.

Well Name: Big Indian 36-42

Report #:

**End Time** 

Description

API: 4303731827

Ops Date: 06/22/2005 AFE #: 4831590

6:00 PM

260 SIWP. RDMO. Wait on Stinger and frac sand. R/U Stinger and install isolation tool. R/U SLB to isolation tool. Hold safety meeting regarding fracing and flow back operations. Pressure test fluid lines to 9000 psi. 370 SIWP Fill hole w/ 31.0 bbls and break formation @ 3580 Pump 10 bbls. Pump 1000 bbls of 15% HCL acid @ 48 bpm 4400 psi. Flush acid to perfs. ISIP-2600. 15 min SIP-2299 . Frac treat interval #4 Ismay @ 5470-82, 5501-10, 5532-38 w/ SLB

slickwater frac w/ 7600 lb. Pump 10 stages w/ 0.3# to 2.0# sand. ISIP-2380. SIP 5 min-2338, 10 min-2325, 15 min-23209. Shut well in. R/ D SLB and Stinger. Pump 2911.5 bbls clean fluid. Avg rate-43.0 bpm. Max rate-49.2 bpm. Avg psi-2956 . Max psi

Summary: 260 SIWP. RDMO. Wait on Stinger and frac sand. Frac treat interval #4 Ismay @ 5470-82, 5502-10, 5532-38 w/ SLB slickwater frac w/ 76000 lb of 20/40 sand w/ 10 stages. 0.3 to 2.0# sand. Avg rate-43.0 bpm, Max rate-49.2 bpm. Avg psi-2956, Max psi-4765. Clean fluid pumped 2911.5. Open up on 20/64 choke w/ psi @ 2190 wellhead. Flowback.



Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 06/21/2005

Report #: 38

**End Time** 

Description

AFE #: 4831590

6:00 PM

420 SICP. 220 SITP. Blew tbg down. RIH w/ swab tag fluid @ 1200'. Swab test. Made 8 runs Recover 81 bbls. Total recovered 983.7 bbls.Left to recover 1138.3 bbls. TBG had little blow, 320 psi on csg blow down. Come out L/D 177 jts. N/D BOPE. N/U frac valve. R/U Lone Wolf WL. Hold safety meeting on perforating operations. Set 5 1/2 HES 8k Frac plug @ 5600. Perforate interval #4 Ismay @ 5470-82, 5502-10, 5532-38 w/ 4 jspf and 120 deg phasing w/ 3 3/8

expendable casing guns. Loaded w/ 23g charges. 24' and 104 holes. Made 2 gun runs 14' and 12'. R/D Lone Wolf WL and SWIFN.

SWIFN.

Summary: 420 SICP. 220 SITP. Blew tbg down. RIH

w/ swab tag fluid @ 1200'. Swab test.

Recover 81 bbls. Total recovered 983.3

csg down and come out L/D. Set HES 8k

bbls. Left to recover 1138.3 bbls. Blew

frac plug @ 5600 Perforate interval #4

Ismay @ 5470-82, 5502-10, 5532-38.

FORM 9	STATE OF	TA H		i	
FORWI 9				5. Lease I	Designation and Serial No. ST-UT-37067
SUND	RY NOTICES AND RE	PORTS ON W	ELLS	6. If India	n, Allotte or Tribe Name
Do not use this for	m for proposals to drill new wells, deepen existing	wells, or to reenter plugged an	d abandoned wells.	į	NA
Use APPLIC	ATION FOR PERMIT TO DRILL O	R DEEPEN form for su	ch proposals.	7. Unit A	greement Name
				]	NA
1. Type of Well			CINCAITIAL	8. Well N	lame and Number
Oil Well	✓ Gas Well	Other UUI	LIULIVIIAL		Big Indian 36-42
2. Name of Operator:		Contact:		9. API W	ell Number
EnCana O	il & Gas (USA) Inc.	Phone:			43-037-31827
3. Address and Telephon				10. Field a	and Pool, or Exploratory Area
	teenth Street, Suite 1700,	Denver, CO 8	0202		Big Indian
4. Location of Well					
=	FSL, 1813' FWL			County:	San Juan
QQ, Sec T,R,M: SES	W Sec 36-29S-24E			State:	Utah
T1. CHE	CK APPROPRIATE BOX(ES	TO INDICATE	JATTIDE OF MOTICE	PEDODT C	D OTHED DATA
	NOTICE OF INTENT	) TO INDICATE !			ENT REPORT
	(Submit in Duplicate)		1	_	inal Form Only)
Abandon	☐ New Constru	ıction	Abandon*		New Construction
Repair Casing	Pull or Alter	Casing	Repair Casing		Pull or Alter Casing
☐ Change Plans	Recomplete		Change Plans		Recomplete
Convert to Injection	☐ Reperforate		Convert to Injection		Reperforate
Fracture Treat or Acidize	e	•	Fracture Treat or Acidiz	æ	☐ Vent or Flare
Multiple Completion	☐ Water Shut-	Off			☐ Water Shut-Off
Other			☑ Other		41 1 7/5/05
Approximate date work	will start	<del></del>	Date of work completion		through 7/5/05
T. T. P. T.			Report results of Multiple Complet		pletions to different reservoirs
			on WELL COMPLETION OR RE	COMPLETION	REPORT AND LOG form.
			* Must be accompanied by		
	d Operation (clearly state all pertinent details tionally or recomplete horizontally, give sub-				
	work will be performed or provide the Bond				
	ved operations. If the operation results in a				
testing has been completed. Fina	d Abandonment Notices shall be filed only a	fter all requirements, includ	ing reclamation, have been complete	d, and the operat	tor has
determined that the site is ready t	for final inspection.)				
~					_
	npletion operations are in		-		
you	r information are daily rep	ports detailing a	ctivity from 6/28/05	through 7	7/05/05.
		`			
13.					
Name (Printed/Typed)		Title			
Jane Wash	iburn		Operations Enginee	ring Tech	<u>.                                    </u>
Signature	1 / MANATA	Date	07/06/2005		

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JUL 1 1 2005



Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 07/05/2005

Report #: 52

**End Time** 

Description

AFE #: 4831590

6:00 PM

1050 SICP. 920 SITP. Open tbg up on 32/64 choke to tank blew

down. RIH w/ swab and tag fluid @ 800'. Made 3 runs and kick tbg off. Flowed for 3 hrs and died. Swab test and flow test, Recovered 150 bbls swabing and flowing. Left to recover 1021.3 SWIFN.

and kick tbg off. Flowed for 3 hrs and died. Swab test and flow test. Recovered 150 bbls swabing and flowing. Left to

32/64 choke to tank blew down. RIH w/

swab and tag fluid @ 800'. Made 3 runs

recover 1021.3 SWIFN

Summary: 400 SICP. 400 SITP. Open tbg up and

Summary: 1050 SICP. 920 SITP. Open tbg up on

API: 4303731827

Area: Big Indian

Ops Date: 07/01/2005 AFE #: 4831590

Well Name: Big Indian 36-42

Report #: 48

**End Time** 

Description

6:00 PM

400 SICP. 400 SITP. Open tbg up and blew down. RIH w/ swwab and tag fluid @ 1800' made 12 runs and recover 140 bbls. TBG started flowing w/ 480 psi on csg. Flowed for 3 hrs and died.

Recover 80 bbls. Total bbls recovered 180. Left to recover 1771.3.

SWIFN.

blew down. RIH w/ swab and tag fluid @ 800'. Swab test recover 140 bbls. TBG started flowing w/ 480 psi on csg. Flowed for 3 hrs and died. Recover 40 bbls. Total bbls 180 recovered. Left to recover

1771.3. SWIFN.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 06/30/2005

Report #: 47 **End Time** 

Description

AFE #: 4831590

6:00 PM

50 SICP. 10 SITP. clean out 80' sand and tag frac plug. Circulate hole clean. L/D 7 jts EOT @ 5403. R/U and swab fluid level @

surface made 10 swab runs. Recover 121.0 bbls. Left to recover

1951.3 bbls. SWIFN.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 06/29/2005

Report #:

Summary: 50 SICP. 10 SITP, clean out 80' sand and

tag frac plug. Circulate hole clean. L/D 7

jts EOT @ 5403. R/U and swab fluid level @ surface. Recover 121 bbls. Left to recover 1951.3 bbls. SWIFN

Did'nt unload fluid. MIRU. RIH w/ tbg and

Description

AFE #: 4831590

46

**End Time** 

Summary: 200 SiWP. Open up and blew down.

6:00 PM

200 SIWP. Open up and blew down. Did'nt unload fluid. MIRU. Spot in rig equipment. N/D frac valve and N/U BOPE. RIH w/ noch collar,

2' sub, 1.81 F-nipple, 1 jt, 1.87 F-nipple and 175 jts. Tag @ 5529 w/ 70' of sand. L/D 2 its and SWIFN.

tag @ 5529 w/ 175 jts in 70' of sand. L/D

Well Name: Big Indian 36-42

2 its and SWIFN.

API: 4303731827

Area: Big Indian

Ops Date: 06/28/2005

Report #: 45 **End Time** 

Description

AFE #: 4831590

10:00 AM

Summary: 140 SIWP. Open well up on full choke and blew down. Well did'nt unload fluid watch for 3 hrs. Well stayed dieded.

SWIFN.

140 SIWP. Open well up on full choke and blew down. Well did'nt

unload fluid watch for 3 hrs. Well stayed dieded, SWIFN.

FORM 9 STATE OF U			5. Lease Designation		
			ST-UT-3		_
SUNDRY NOTICES AND RE	PORTS ON WEI	LLS	6. If Indian, Allotte or	Tribe Name	
Do not use this form for proposals to drill new wells, deepen existing			NA		<del></del>
Use APPLICATION FOR PERMIT TO DRILL OF	C DEEPEN form for such p	proposals.	7. Unit Agreement Na	ime	
1. Type of Well	MOSETI	DENTIAL :	NA  8. Well Name and Nu	ımhar	
Oil Well  Gas Well	Other UUIVIII	ULNIALI		an 36-42	
2. Name of Operator:	Contact:	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	9. API Well Number	un 50°42	_
EnCana Oil & Gas (USA) Inc.	Phone:		43-037-	31827	
3. Address and Telephone No.	1 110110.		10. Field and Pool, or		<del></del>
370 Seventeenth Street, Suite 1700,	Denver, CO 8020		Big Indi		
4. Location of Well					
Footages: 553' FSL, 1813' FWL			County: San Juan	n	
QQ, Sec T,R,M: SESW Sec 36-29S-24E			State: Utah		
11. CHECK APPROPRIATE BOX(ES	) TO INDICATE NAT				<u> </u>
NOTICE OF INTENT (Submit in Duplicate)	ľ		BSEQUENT REPORT		
	_		bmit Original Form Or		
		Abandon*		New Construction	
		Repair Casing		Pull or Alter Casing Recomplete	
☐ Change Plans ☐ Recomplete ☐ Convert to Injection ☐ Reperforate		Change Plans	-	Reperforate	
Fracture Treat or Acidize	I	Convert to Injection  Fracture Treat or Acidize	·	Vent or Flare	
☐ Multiple Completion ☐ Water Shut-		Tractare freat of Acidize	·	Water Shut-Off	
Other	[Z	Other			
		Report of	of Activity through 7/1	3/05	
Approximate date work will start	<del></del>	ate of work completion			
		port results of Multiple Completic WELL COMPLETION OR REC	-		
		Must be accompanied by a			
12. Describe Proposed or completed Operation (clearly state all pertinent details If the proposal is to deepen directionally or recomplete horizontally, give sub Attach the Bond under which the work will be performed or provide the Bond following completion of the involved operations. If the operation results in a testing has been completed. Final Abandonment Notices shall be filed only at determined that the site is ready for final inspection.)  Completion operations are in your information are daily representations.	surface locations and measured.  No. on file with the BLM/BIA. multiple completion or recomple ter all requirements, including re	and true vertical depths of all per Required subsequent reports she etion in a new interval, A form 31 reclamation, have been completed,	tinent markers and zones.  all be filed within 30 days  60-4 shall be filed once and the operator has		
				1	RECEIVED
					JUL 1 5 2005
				DIV. C	OF OIL, GAS & MINING
13. Name (Printed/Typed) Jane Washburn		perations Engineer	ing Tech		
Signature Yu. I Jank Was	Date	07/13/2005			
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59



Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 07/13/2005

Report #:

End Time

Description

AFE #: 4831590

6:00 PM

560 SIWP. Lone Wolf WL got called over to Hamilton creek. Phoenix

SL and HES R/U for DFIT. Shut down.

Summary: 560 SIWP. Lone Wolf WL got called over to Hamilton creek. Phoenix SL and HES

R/U for DFIT. Shut down

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 07/12/2005 AFE #: 4831590

Report #:

**End Time** 

Description

Enter the description here

Summary:

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 07/11/2005 AFE #: 4831590

Report #: 58

**End Time** 6:00 PM

Description

Summary: 920 SIWP. Open up on 24/64 choke and blew down. Take choke out. Started

unloading oil and frac fluid. Flow well for 2 hrs. Recover 30.0 bbls. well died. SWIFN.

920 SIWP. Open up on 24/64 choke and blew down. Take choke

out. Started unloading oil and frac fluid. Flow well for 2 hrs. Recover 30.0 bbls. well dieded. SWIFN.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 07/09/2005

Report #: 56 **End Time** 

Description

AFE #: 4831590

6:00 PM

640 SIWP. Left well shut in.

Summary: 640 SIWP. Left well shut in.

Summary: 880 SIWP. Open up to tank and blew

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 07/08/2005

Report #:

down in 10 mins. Started unloading oil

and frac fluid. Flowed for 2 hrs and start blowing dry gas. Recovered 20 bbls. total

**End Time** 

55

Description

AFE #: 4831590

6:00 PM

880 SIWP. Open up to tank and blew down in 10 mins. Started unloading oil and frac fluid. Flowed for 2 hrs and start blowing dry gas. Recovered 20 bbls. total recovered 859.2. Left to recover

2052.3. SWIFN.

recovered 859.2. Left to recover 2052.3.

Well Name: Big Indian 36-42

SWIFN.

API: 4303731827

Area: Big Indian

Ops Date: 07/07/2005

Report #:

**End Time** 

Description

AFE #: 4831590

6:00 PM

560 SIWP. R/U Lone Wolf WL. Hold safety meeting on perforation operations. RIH w/ 4.70 JBGR to 5470. Set HES frac plug @ 5450. Perforate interval # 5 Hovenweep @ 5360-85 w/ 4 jspf and 120 deg

phasing w/ 3 3/8 expendable casing guns. Loaded w/ 23g charges. 25' and 100 hloes. Made 2 gun runs 15' and 10'. R/D Lone Wolf WL

SWIFN.

Summary: 560 SIWP. RIH w/ 4.70 JBGR to 5470.

WL and set 5 1/2 HES 8k frac plug @ 5450. Perforate interval #5 Hovenweep

@ 5360-85. 25' w/ 4 jspf and 100 holes. SHUT well in.



Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 07/06/2005

Report #: 53

**End Time** 

Description

AFE #: 4831590

6:00 PM

880 SICP. 560 SITP. Open tbg up to tank. Blew down and unloaded

3 bbls w/ trace of oil. RIH w/ swab tag fluid @ 2400' pull 2 runs recover 18 bbls. TBG flowed for 2.5 hrs and recover 3 bbls flowing get gas sample. Blow csg down and come out L/D. Total bbls recovered 25. N/D BOPE. N/U frac valve. Shut well in and RDMO.

trace of oil. RIH w/ swab tag fluid @ 2400' pull 2 runs recover 18 bbls. TBG flowed for 2.5 hrs and recover 3 bbls flowing get gas sample. Blow csg down and come

Summary: 880 SICP. 560 SITP. Open tbg up to

out L/D. Total bbis recovered 25. N/D BOPE. N/U frac valve. Shut well in and

32/64 choke to tank blew down. RIH w/

swab and tag fluid @ 800'. Made 3 runs and kick tbg off. Flowed for 3 hrs and died. Swab test and flow test. Recovered

blew down. RIH w/ swab and tag fluid @

started flowing w/ 480 psi on csg. Flowed for 3 hrs and died. Recover 40 bbls. Total

800'. Swab test recover 140 bbls. TBG

tank. Blew down and unloaded 3 bbls w/

RDMO.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 07/05/2005

Report #: 52

End Time

Description

AFE #: 4831590

6:00 PM

1050 SICP. 920 SITP. Open tbg up on 32/64 choke to tank blew down. RIH w/ swab and tag fluid @ 800'. Made 3 runs and kick tbg

off. Flowed for 3 hrs and died. Swab test and flow test. Recovered 150 bbls swabing and flowing. Left to recover 1021.3 SWIFN.

150 bbls swabing and flowing. Left to recover 1021.3 SWIFN.

Summary: 400 SICP. 400 SITP. Open tbg up and

Summary: 1050 SICP. 920 SITP. Open tbg up on

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 07/01/2005

Report #: 48 **End Time** 

Description

AFE #: 4831590

6:00 PM

400 SICP. 400 SITP. Open tbg up and blew down. RIH w/ swwab and tag fluid @ 1800' made 12 runs and recover 140 bbls. TBG

started flowing w/ 480 psi on csg. Flowed for 3 hrs and died. Recover 80 bbls. Total bbls recovered 180. Left to recover 1771.3.

SWIFN.

bbls 180 recovered. Left to recover 1771.3. SWIFN.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 06/30/2005

Report #:

**End Time** 

Description

AFE #: 4831590

6:00 PM

50 SICP. 10 SITP. clean out 80' sand and tag frac plug. Circulate

hole clean. L/D 7 jts EOT @ 5403. R/U and swab fluid level @ surface made 10 swab runs. Recover 121.0 bbls. Left to recover

1951.3 bbls. SWIFN.

jts EOT @ 5403. R/U and swab fluid level @ surface. Recover 121 bbls. Left to

recover 1951.3 bbls. SWIFN.

Summary: 50 SICP. 10 SITP. clean out 80' sand and

tag frac plug. Circulate hole clean. L/D 7

API: 4303731827

Area: Big Indian

Well Name: Big Indian 36-42 Ops Date: 06/29/2005

Report #: 46

**End Time** 

Description

AFE #: 4831590

6:00 PM

200 SIWP. Open up and blew down. Did'nt unload fluid. MIRU. Spot

in rig equipment. N/D frac valve and N/U BOPE. RIH w/ noch collar, 2' sub, 1.81 F-nipple, 1 jt, 1.87 F-nipple and 175 jts. Tag @ 5529 w/

70' of sand. L/D 2 its and SWIFN.

Summary: 200 SIWP. Open up and blew down.

Did'nt unload fluid. MIRU. RIH w/ tbg and tag @ 5529 w/ 175 jts in 70' of sand. L/D

2 jts and SWIFN.

Report by Wellcore

July 13, 2005 01:28 PM

<u> </u>	)			
FORM 9 STATE OF		•		
DIVISION OF OIL, GAS AND MINING			_	tion and Serial No.
CURIDDAY NOTICES AND D	EDODEC ON N	DEX X C		JT-37067
SUNDRY NOTICES AND R			6. If Indian, Allot	te or Tribe Name
Do not use this form for proposals to drill new wells, deepen exist  Use APPLICATION FOR PERMIT TO DRILL			7. Unit Agreemen	nt Nome
USE AFFEICATION FOR FERWIT TO DRILL	OR DEEPEN form for st	ich proposais.	NA	it ivalic
1. Type of Well	OOM	"INTERTOR	8. Well Name an	d Number
☐ Oil Well ☐ Gas Well	⊒ Other ししりげ			Indian 36-42
2. Name of Operator:	Contact:		9. API Well Num	<del></del>
EnCana Oil & Gas (USA) Inc.	Phone:		43-0	37-31827
3. Address and Telephone No.			10. Field and Poo	l, or Exploratory Area
370 Seventeenth Street, Suite 170	0, Denver, CO 8	0202	Big	Indian
4. Location of Well				
Footages: 553' FSL, 1813' FWL			County: San	Juan
QQ, Sec T,R,M: SESW Sec 36-29S-24E			State: Utal	1
11. CHECK APPROPRIATE BOX(I	ES) TO INDICATE :	NATIDE OF MOTICE I	DEDORT OR OTT	TED DATA
NOTICE OF INTENT	es) IO INDICATE		UBSEQUENT RE	
(Submit in Duplicate)		i	ubmit Original For	
☐ Abandon ☐ New Cons	truction	☐ Abandon*		☐ New Construction
Repair Casing Pull or Alte	er Casing	Repair Casing		Pull or Alter Casing
☐ Change Plans ☐ Recomplet	ie .	Change Plans		Recomplete
Convert to Injection	te	Convert to Injection		Reperforate
Fracture Treat or Acidize		☐ Fracture Treat or Acidia	ze	☐ Vent or Flare
Multiple Completion Water Shu	it-Off			☐ Water Shut-Off
☐ Other		☑ Other	of Astiriity theory	7/19/05
Approximate date work will start		Date of work completion	of Activity through	1 //16/03
		Report results of Multiple Complete		lifferent reservoirs
		on WELL COMPLETION OR RE		
12. Describe Proposed or completed Operation (clearly state all pertinent det		* Must be accompanied by		report.
If the proposal is to deepen directionally or recomplete horizontally, give:			=	
Attach the Bond under which the work will be performed or provide the Bo				
following completion of the involved operations. If the operation results in				
testing has been completed. Final Abandonment Notices shall be filed only	y after all requirements, includ	ling reclamation, have been complete	ed, and the operator has	
determined that the site is ready for final inspection.)				
Completion operations are	in program on the	Dia Indian 26 42	Attached for	
your information are daily r				
your information are daily i	cports detailing a	icultity from 7/14/05	unough //18/02	•
13.				· · · · · · · · · · · · · · · · · · ·
Name (Printed/Typed)	Title			
Jane Washburn	D.4	Operations Enginee	ring Tech	
Signature The Whiter	Date	07/19/2005		
(This space for State use only)				

RECEIVED JUL 2 / 2005



Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 07/18/2005 AFE #: 4831590

Report #: 65

**End Time** 

Description

Enter the description here

Summary:

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 07/17/2005

Report #:

**End Time** 

Description

AFE #: 4831590

6:00 PM

Pull Pressure gauges and R/D Phoenix SL. Shut well in.

Summary: Pull Pressure gauges. Shut well in.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 07/15/2005 AFE #: 4831590

Report #: 63 **End Time** 

Description

6:00 PM

1980 SIWP. Left well shut in w/ pressure gauges in the hole.

Summary: 1980 SIWP. Left well shut in w/ pressure

Summary: SIWP. RIH w/ HES 5 1/2 10k CIBP and

left hanging @ 5340. Hold safety

set @ 5440. RIH w/ pressure gauges and

meeting. HES pumped DIFT. Fill hole w/

48 bbls amd break formation @ 2940.

Pump 6.4 bpm @ 3008 psi. Pump 10

bbls ISIP = 2700. 30 min SIP. Shut well

gauges in the hole.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 07/14/2005

Report #: 62

**End Time** 

Description

AFE #: 4831590

in.

6:00 PM

900 SIWP. R/U Lone Wolf WL. Hold safety meeting on Wireline, Slickline and DFIT. RIH w/ HES 5 1/2 10k CIBP and set @ . R/D Lone Wolf WL. R/U Phoenix SL RIH w/ pressure gauges and left hanging @ 5440. R/D Lone Wolf WL. R/U Phoenix SL and RIH w/ pressure gauges and left haning @ 5340. R/U HES to csg valve. Fill hole w/ 4 bbls and brak formation @2940. Pump 6.4 bpm @ 3008 pump 10 bbls. ISIP= 2700, SIP 5 min - 2494, 10 min - 2447, 15 min-2419, 20 min- 2396, 25 min- 2376 and 30 min- 2358. Shut well in for

72 hr test. R/D HES.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 07/13/2005

Report #:

**End Time** 

Description

AFE #: 4831590

6:00 PM

825 SIWP. R/U LoneWolf WL. Hold safety meeting on wire line, slickline and DFIT operations. Wait on 5 1/2 CIBP. Lone Wolf WL

got called over to Hamilton creek. R/D Lone Wolf WL. SWIFN.

R/D WL. SWIFN

Summary: 825 SIWP. Wait on 5 1/2 CIBP. Lone

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 07/12/2005

Report #:

60

61

**End Time** 

Description

AFE #: 4831590

Summary: 560 SIWP. Lone Wolf WL got called over

to Hamilton creek. Phoenix SL and HES

Wolf got called over to Hamilton creek.

R/U for DFIT. Shut down.

6:00 PM

560 SIWP. Lone Wolf WL got called over to Hamilton creek. Phoenix

SL and HES R/U for DFIT. Shut down.

	TATE OF UTAH F OIL, GAS AND MINING	Lease Designation and Serial No.     ST-UT-37067			
SUNDRY NOTICES	AND REPORTS ON W	6. If Indian, Allotte or Tribe Name			
Do not use this form for proposals to drill new we			NA	4	
	TO DRILL OR DEEPEN form for su		7. Unit A	greement Name	
				NA	
1. Type of Well		EINENITIAL	8. Well N	ame and Number	
Oil Well Gas We	□ Other UUV	<u> FIUENTIAL</u>		Big Indian 36-42	
2. Name of Operator:	Contact:		9. API W	ell Number	
EnCana Oil & Gas (USA)	Inc. Phone:			43-037-31827	
3. Address and Telephone No.			10. Field a	and Pool, or Exploratory	Area
370 Seventeenth Street, St	uite 1700, Denver, CO 8	0202	<u> </u>	Big Indian	
4. Location of Well					
Footages: 553' FSL, 1813' FW			County:	San Juan	
QQ, Sec T,R,M: SESW Sec 36-29S-2	24E		State:	Utah	
11. CHECK APPROPRIAT	E BOX(ES) TO INDICATE 1	NATURE OF NOTICE B	REPORT C	OR OTHER DATA	
NOTICE OF INT				NT REPORT	
(Submit in Duplic	cate)	(St	ubmit Origi	nal Form Only)	
Abandon	New Construction	☐ Abandon*		☐ New Construc	ction
Repair Casing	Pull or Alter Casing	Repair Casing		Pull or Alter C	Casing
☐ Change Plans	Recomplete	Change Plans		Recomplete	
	Reperforate	Convert to Injection		Reperforate	
	Vent or Flare	Fracture Treat or Acidiz	re	Uent or Flare	
- Hatapic completion	Water Shut-Off			☐ Water Shut-C	Off
☐ Other		☑ Other			
Approximate date work will start		Date of work completion	of Activity		
		Report results of Multiple Completi		pletions to different reservoirs	—
		on WELL COMPLETION OR RE	-		
		* Must be accompanied by	a cement ve	rification report.	
If the proposal is to deepen directionally or recomplete horiz  Attach the Bond under which the work will be performed or following completion of the involved operations. If the oper testing has been completed. Final Abandonment Notices sha determined that the site is ready for final inspection.)  Completion operation	provide the Bond No. on file with the BLM/ ation results in a multiple completion or reco	/BIA. Required subsequent reports sl ompletion in a new interval, A form 3 ling reclamation, have been completed	hall be filed with 160-4 shall be fi d, and the operat	in 30 days led once or has	on
of the well's potenti	al. It has been determine e completed within the ne	d that additional frac	s are requ	ired before final eva	luation.
					RECEIVED
					AUG 1 5 2005
				Di	V. OF OIL, GAS & MINING
13.					
Name (Printed/Typed)	Title	_	•		
Jane Washburn		Operations Enginee	ring Tech	A Company of the Comp	
Signature We Wash	Mu Date	08/10/2005			
(This space for State use only)					

EODM 0	STATE OF U	TTAX		ı	
FORM 9	DIVISION OF OIL, GA		,	5. Lease D	esignation and Serial No.
, in the second of the second			ST-UT-37067		
SUNDRY NOTICES AND REPORTS ON WELLS 6				6. If India	n, Allotte or Tribe Name
Do not use thi	is form for proposals to drill new wells, deepen existing	wells, or to reenter plugged ar	d abandoned wells.		NA
Use APP	LICATION FOR PERMIT TO DRILL OF	R DEEPEN form for su	ich proposals.	7. Unit Ag	reement Name
		$\cap$	MITIDELITI		NA
1. Type of Well			JNFIDENTI	8 Well Na	ame and Number
Oil W	Vell	) Other		1 -	Big Indian 36-42
2. Name of Operator:		Contact:		9. API We	
	Oil & Gas (USA) Inc.	Phone:		10 F: 11	43-037-31827
3. Address and Teleph	one No. Venteenth Street, Suite 1700,	Denver CO 8	0202	10. Field a	nd Pool, or Exploratory Area
4. Location of Well	enteenth Street, State 1700,	Deliver, CO 8	0202	<u> </u>	Big Indian
	53' FSL, 1813' FWL			County:	San Juan
=	ESW Sec 36-29S-24E			State:	Utah
QQ, 500 1,1C,141. Bi	25 11 500 50 275 212			State.	Ctair
11. CI	HECK APPROPRIATE BOX(ES	) TO INDICATE	NATURE OF NOTICE, F	REPORT, O	R OTHER DATA
	NOTICE OF INTENT			-	NT REPORT
	(Submit in Duplicate)		l `	ubmit Origii	nal Form Only)
Abandon	☐ New Constru		Abandon*		New Construction
Repair Casing	☐ Pull or Alter	Casing	Repair Casing		☐ Pull or Alter Casing
Change Plans	Recomplete		Change Plans		☐ Recomplete
Convert to Injection		2	Convert to Injection		Reperforate Vent or Flare
☐ Fracture Treat or Aci	□ Water Shut-	-	Fracture Treat or Acidiz	e	☐ Water Shut-Off
Other	_		☑ Other		
			Report	of Activity	
Approximate date wor	rk will start	_	Date of work completion		
			Report results of Multiple Complet on WELL COMPLETION OR RE	-	
			* Must be accompanied by		
	oleted Operation (clearly state all pertinent details			•	
	directionally or recomplete horizontally, give sub				
	h the work will be performed or provide the Bond involved operations. If the operation results in a				•
	Final Abandonment Notices shall be filed only a				
determined that the site is rea	ady for final inspection.)				
	completion operations resum				
	/31/05 through 9/14/05. Ad	lditional perfora	ations are planned, an	d a rig ma	y be moving on
th	ne week of 9/19/05.				
13. Name (Printed/Typed)		Title			
Jane Wa	ashburn		Operations Enginee	ring Tech	
Signature	Pull II milatore	Date	09/19/2005		
(This are a Constitution of the Constitution o	W MINNEW	<u>+</u>			
(This space for State	use only)				

RECEIVED

SEP 2 6 2005



Well Name: Big Indian 36-42

API: 4303731827

Description

Area: Big Indian

Ops Date: 09/14/2005

Report #: 75

**End Time** 

AFE #: 4831590

6:00 PM

400 SITP, 370 SICP. Blow tbg and csg down to tank. Come out

laying down. N/D BOPE. N/U frac valve. RDMO.

Summary: 400 SITP, 370 SICP, Blow tbg and csg

down to tank. Come out laying down. N/D

BOPE. N/U frac valve, RDMO

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 09/13/2005

Report #: 74 **End Time** 

6:00 PM

Description

AFE #: 4831590

Summary: 500 SITP. 440 SICP. Blew tbg down and

unloaded 1 bbl. Go to 2 hourly runs.

recover 3 bbls swabing. Total bbls

recovered 4. SWIFN

500 SITP. 440 SICP. Blew tbg down and unloaded 1 bbl. Go to 2

hourly runs. recover 3 bbls swabing. Total bbls recovered 4. SWIFN.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 09/12/2005 AFE #: 4831590

Report #: 73 **End Time** 6:00 PM

Summary: 1080 SITP, 940 SICP, Blew well down to

Summary: 380 SICP, 480 SITP, Blew tbg down on

24/64 choke to tank. RIH w/ swab tag nipple pull dry. Go to 2 hourly runs. Made 7 swab runs and recover 1 bbls. SWIFN.

tank on 24/64 choke and started

unloading fluid. Recovered 8 bbls. RIH w/ swab and tag nipple make dry run. Go to 2 hourly runs made 5 runs and recover 9 bbls flowing and swabing. 50 psi on

csg.SWIFN

Description

1080 SITP. 940 SICP. Blew well down to tank on 24/64 choke and

started unloading fluid. Recovered 8 bbls. RIH w/ swab and tag nipple make dry run. Go to 2 hourly runs made 5 runs and recover 9

bbls flowing and swabing. 50 psi on csg.SWIFN.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 09/09/2005

Report #:

72

**End Time** 

Description

AFE #: 4831590

6:00 PM

380 SICP. 480 SITP. Blew tbg down on 24/64 choke to tank, RIH w/

swab tag nipple pull dry. Go to 2 hourly runs. Made 7 swab runs and

recover 1 bbls. SWIFN.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 09/08/2005 AFE #: 4831590

Report #: 71

Fnd Time 6:00 PM

Description

Summary: 540 SITP. 540 SICP. Blew tbg down to tank. PDS flow back equipment. RIH w/ swab tag nipple pull dry. Go to 2 hourly runs. Make 5 swab runs and recover 1 1/2 bbls. 40 psi on csg. SWIFN.

540 SITP. 540 SICP. Blew tbg down to tank. PDS flow back equipment. RIH w/ swab tag nipple pull dry. Go to 2 hourly runs. Make 5 swab runs and recover 1 1/2 bbls. 40 psi on csg. SWIFN.



Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 09/07/2005

Summary: 50 Pressure @ wellhead on 128/64 choke

flowing thur PDS equipment. Blow tbg

down and RIH w/ swab tag nipple and pulled 1/2 bbl. Wait 1 hr pull dry run. Wait 2 hrs and Pull 1/2 bbl. Go to 2 hr runs.

Report #: 70

**End Time** 

Description

AFE #: 4831590

6:00 PM

50 Pressure @ wellhead on 128/64 choke flowing thur PDS equipment. Blow tbg down and RIH w/ swab tag nipple and pulled

1/2 bbl. Wait 1 hr pull dry run. Wait 2 hrs and Pull 1/2 bbl. Go to 2 hr

runs. Made 7 swab runs and recover 2.5 bbls. SWIFN.

Made 7 swab runs and recover 2.5 bbls.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 09/06/2005

Report #: 69

**End Time** 

Description

AFE #: 4831590

6:00 PM

2125 SITP. Open up on 24/64 choke thur PDS flowback equipment.

Flowback.

Summary: 2125 SITP. Open up on 24/64 choke thur

PDS flowback equipment. Flowback.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 09/03/2005

68 Report #:

**End Time** 

Description

AFE #: 4831590

1:00 PM

2000 SITP. 2000 SICP. Blew tbg down to tank. Pressure stayed @

150 psi On 32/64 choke flow test, SWIFN.

Summary: 2000 SITP. 2000 SICP. Blew tbg down to

tank. Pressure stayed @ 150 psi On

32/64 choke flow test. SWIFN.

API: 4303731827

Area: Big Indian

Ops Date: 09/02/2005

Well Name: Big Indian 36-42

Report #:

67

**End Time** 

Description

AFE #: 4831590

6:00 PM

5 psi @ wellhead flowing light foam. N/D frac valve and N/U BOPE. RIH w/ noch collar, 4' sub, 1.81 F-nipple, 1 jt, 1.87 F-nipple and 173

its. Tag CIBP @ 5440 w/ on fill L/D 4 its. RIH w/ swab tag F-nipple

and no fluid. Wait 1 hr dry run. SWIFN.

Summary: 5 psi @ wellhead flowing light foam. N/D frac valve and N/U BOPE. RIH w/ noch collar, 4' sub, 1.81 F-nipple, 1 jt, 1.87 F-nipple and 173 jts. Tag CIBP @ 5440 w/ on fill L/D 4 jts. RIH w/ swab tag F-nipple and no fluid. Wait 1 hr dry run.

SWIFN.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 09/01/2005

Report #:

**End Time** 6:00 PM

AFE #: 4831590

Summary: 600 pressure @ wellhead flowing on 30/64 choke. Bringing back light sand/ no burnables @ surface. 336.5 bbls recover . Left to recover 345.0. Total bbls pumped

681.5. MIRU Key #31 and spot in rig equipment. Left flowing thur PDS

flowback equipment.

Description

600 pressure @ wellhead flowing on 30/64 choke. Bringing back light sand/ no burnables @ surface. 336.5 bbls recover . Left to recover 345.0. Total bbls pumped 681.5. MIRU Key #31 and spot in

rig equipment. Left flowing thur PDS flowback equipment.



Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 08/31/2005

Report #: 65

**End Time** 6:00 PM

AFE #: 4831590

Summary: 160 SIWP. R/U Stinger and install isolation tool and R/U SLB to Stinger. Pressure test fluid and N2 liness to 8500. hold safety meeting on frac and flowback

operations. Frac treat interval #5 Hovenweep @ 5360-5685 w/ 70Q N2 foam and w/ 156000 lb of 20/40 sand. Fill hole w/ 28 bbls and break formation @ 3375. Pump 10 bbls ISIP= 2465. 5 min SIP= 2125. Pump 6 stages Avg psi = 3943. Max psi = 4354. Avg rate = 23.7 bpm. Max rate = 27.7 bpm. ISIP = 3580. 1 min = 3529. 5 min = 3494. Shut in R/D SLB and pull isoation tool. Open well up on 16/32 choke thur PDS flowback equipment. Total bbls to recover 681.5

Description

160 SIWP. R/U Stinger and install isolation tool and R/U SLB to Stinger. Pressure test fluid and N2 liness to 8500. hold safety meeting on frac and flowback operations. Frac treat interval #5 Hovenweep @ 5360-5685 w/ 70Q N2 foam and w/ 156000 lb of 20/40 sand. Fill hole w/ 28 bbls and break formation @ 3375. Pump 10 bbls ISIP= 2465. 5 min SIP= 2125. Pump 6 stages Avg psi = 3943. Max psi = 4354. Avg rate = 23.7 bpm. Max rate = 27.7 bpm. ISIP = 3580. 1 min = 3529. 5 min = 3494. Shut in R/D SLB and pull isoation tool. Open well up on 16/32 choke thur PDS flowback

equipment. Total bbls to recover 681.5 bbls.

160 SIWP. R/U Stinger and install isolation tool and R/U SLB to

Stinger. Pressure test

	OF UTAH GAS AND MINING	!	5. Lease D	Designation and Serial No.
				ST-UT-37067
SUNDRY NOTICES AND			6. If India	n, Allotte or Tribe Name
Do not use this form for proposals to drill new wells, deepen o Use APPLICATION FOR PERMIT TO DRI			7 Linit As	NA greement Name
OSCALIBICATION TO KI ERWIT TO DIS	C) C) A	t come t trans come t come t co t	7. Omi 7.	NA
1. Type of Well	Consultation of the Consul		8. Well N	ame and Number
☐ Oil Well ☑ Gas Well	Other	VI ILZLIVIIIL	ļ	Big Indian 36-42
2. Name of Operator:	Contact:		9. API W	ell Number
EnCana Oil & Gas (USA) Inc.	Phone:			43-037-31827
3. Address and Telephone No.	/00 Damilian CO 0	0202	10. Field a	nd Pool, or Exploratory Area
370 Seventeenth Street, Suite 17 4. Location of Well	00, Denver, CO 8	0202		Big Indian
Footages: 553' FSL, 1813' FWL			Country	San Juan
QQ, Sec T,R,M: SESW Sec 36-29S-24E			County: State:	Utah
QQ, 500 1,R,WI. SES W 500 30-235-24E			State.	Otali
11. CHECK APPROPRIATE BOX	(ES) TO INDICATE 1			
NOTICE OF INTENT		1		NT REPORT
(Submit in Duplicate)		<u> </u>	ıbmit Origii	nal Form Only)
	nstruction	Abandon*		New Construction
The same	Alter Casing	Repair Casing		☐ Pull or Alter Casing
Change Plans Recomp		☐ Change Plans		☐ Recomplete ☐ Reperforate
☐ Convert to Injection ☐ Reperfor ☐ Fracture Treat or Acidize ☐ Vent or		Convert to Injection  Fracture Treat or Acidiz	_	☐ Vent or Flare
Multiple Completion Water S	hut-Off	Fracture freat or Acidiz	е	☐ Water Shut-Off
Other		☑ Other		
Ammovimoto doto vivale viil ete t			of Activity	
Approximate date work will start		Date of work completion Report results of Multiple Completi		dations to different recognition
		on WELL COMPLETION OR RE	=	
		* Must be accompanied by		
<ol> <li>Describe Proposed or completed Operation (clearly state all pertinent If the proposal is to deepen directionally or recomplete horizontally, gi</li> </ol>				
Attach the Bond under which the work will be performed or provide the				
following completion of the involved operations. If the operation result				•
testing has been completed. Final Abandonment Notices shall be filed	only after all requirements, include	ling reclamation, have been completed	l, and the operate	or has
determined that the site is ready for final inspection.)				
Attached are daily reports	for 9/22/05 and 9/	20/05 on the Rig Indi	on 36.42	Darfe wara
shot on 9/29/05 @ 4209-4				
activity on this well.	1220 unu 4327-434	2. Tou will continue	to oc not	inea or completion.
don't ly on this well.				
	•			
				,
13. Name (Printed/Typed)	Title			
Jane Washburn		Operations Engineer	ring Tech	
Signature Signature	Date	09/29/2005	<u> </u>	
	لم			
(This space for State use only)				

RECEIVED OCT 0 6 2005



Well Name: Big Indian 36-42

AFE#: 4831590

API: 4303731827

Area: Big Indian

Ops Date: 09/29/2005

Report #:

77

**End Time** 

Summary: Perforated upper two intervals in Lower

Honaker Trail. 4327' - 4342' and 4209' -

Description

RU Lone Wolf. 0 psi on casing. Perforate upper two zones of lower

honaker Trail formation. 4327' - 4342' w/ 4 JSPF, and 4209' - 4220'

w/ 2 JSPF.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 09/22/2005 AFE #: 4831590

Report #:

**End Time** 6:00 PM

Summary: 1300 SIWP. Blow down to tank. Hold safety meeting on well operations. R/U Lone Wolf WL . Well gasing to much to dump bail cement. R/U SLB to csg valve and fill hole w/ 103 bbls of 6% KCL. RIH and dump bail 30' of cement made 2 runs. Set Baker 5 1/2 CIBP @ 5000'. Perforate interval #5 Honaker trail @ 4423-4401 w/ 4 jspf, 120 deg phasing w/ expendable casing guns. 22' and 88 holes. Made 1 run R/D Lone Wolf WL. Run surface gauges pump DFIT. Break formation @ 3500. Pump 20 bbls @ 5.1 bpm, 1960 psi. ISIP @ 1720. Shut well in and R/D SLB. Monitor pressure for 72 hours

Description

1300 SIWP. Blow down to tank, Hold safety meeting on well operations. R/U Lone Wolf WL . Well gasing to much to dump bail cement. R/U SLB to csg valve and fill hole w/ 103 bbls of 6% KCL. RIH and dump bail 30' of cement made 2 runs. Set Baker 5 1/2 CIBP @ 5000'. Perforate interval #5 Honaker trail @ 4423-4401 w/ 4 jspf, 120 deg phasing w/ expendable casing guns. 22' and 88 holes. Made 1 run R/D Lone Wolf WL. Run surface gauges pump DFIT. Break formation @ 3500. Pump 20 bbls @ 5.1 bpm, 1960 psi. ISIP @ 1720. Shut well in and R/D SLB. Monitor pressure for 72 hours.

FORM 9		STATE OF U	TAH			
	DIVISION	N OF OIL, GA	S AND MINING		5. Lease D	esignation and Serial No.
<u> </u>				ST-UT-37067		
S	SUNDRY NOTICE	ES AND RE	PORTS ON W	ELLS	6. If Indian	n, Allotte or Tribe Name
Do not	t use this form for proposals to drill ne	w wells, deepen existing	wells, or to reenter plugged an	d abandoned wells.		NA
Use	APPLICATION FOR PERM	MIT TO DRILL OF	DEEPEN form for su	ch proposals.	7. Unit Ag	reement Name
			001	ITIDELITIAL	1	NA
1. Type of Well				VEIDENTIAL	8. Well Na	ame and Number
	Oil Well	Well	Other	AL INFIALINE	<del> </del>	Big Indian 36-42
2. Name of Opera	ator:		Contact:		9. API We	<u> </u>
EnC	ana Oil & Gas (US	A) Inc.	Phone:			43-037-31827
3. Address and Te	<del></del>				10. Field at	nd Pool, or Exploratory Area
370	Seventeenth Street,	, Suite 1700,	Denver, CO 8	0202		Big Indian
4. Location of We	:li					
Footages:	553' FSL, 1813' F	FWL			County:	San Juan
QQ, Sec T,R,M:	SESW Sec 36-29				State:	Utah
11.	CHECK APPROPR	IATE BOX(ES)	TO INDICATE I	NATURE OF NOTICE, R	REPORT, O	R OTHER DATA
	NOTICE OF I				_	NT REPORT
	(Submit in Du	plicate)		(Sı	ıbmit Origin	nal Form Only)
Abandon		New Constru	ction	☐ Abandon*		☐ New Construction
Repair Casing		Pull or Alter (	Casing	Repair Casing		Pull or Alter Casing
Change Plans		Recomplete		Change Plans		Recomplete
Convert to Inject	tion	Reperforate		Convert to Injection		Reperforate
☐ Fracture Treat o	or Acidize	☐ Vent or Flare		Fracture Treat or Acidiz	e	Vent or Flare
Multiple Complet	tion	☐ Water Shut-0	Off			☐ Water Shut-Off
Other				☑ Other	. C A .: '	
Approximate date	work will start			Date of work completion	of Activity	
1 ipproximate date	Work will start		<del></del>	Report results of Multiple Completi		etions to different reservoirs
				on WELL COMPLETION OR RE		
				* Must be accompanied by	a cement ver	ification report.
				ng date of any proposed work and ap		
	l'			ured and true vertical depths of all pe		the state of the s
				BIA. Required subsequent reports sl empletion in a new interval, A form 3		
	•	-		ling reclamation, have been completed		
determined that the site	e is ready for final inspection.)	•	. ,	,		
	Attached are dail	ly reports for	10/10/05 - 10/3	18/05 on the Big Indi	an 36-42 t	to report.
	completion activ	-		S		
	<b>.</b>	3 -				
					٠.	
13. Name (Printed/Ty	(ned)		Title			
• •	Washburn			Operations Engineer	ring Tech	
Signature	pu. nl r	1.	Date	10/19/2005		
	THE WASH	our				
(This space for Ca	teta usa anlu)					· · · · · · · · · · · · · · · · · · ·

RECEIVED

OCT 2 4 2005



Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 10/18/2005

Report #:

**End Time** 

Description

AFE #: 4831590

Summary: 220 SICP. 50 SITP. Blow well down

Enter the description here

come out L/D. N/D BOPE, N/U wellhead.

RDMO.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 10/17/2005

Report #:

**End Time** 

Description

AFE #: 4831590

6:00 PM

Summary: 120 SITP. 490 SICP. Blow tbg down to tank. Release PDS flowback equipment.

RIH w/ swab and tag fluid @ 3600' pull 1 run and tbg started unloading. Flowed for 30 min's. Made 6 hourly swab runs .

Recover 8 bbls swabing and flowing. Casing pressure 150 psi. SWIFN.

120 SITP. 490 SICP. Blow tbg down to tank. Release PDS flowback equipment. RIH w/ swab and tag fluid @ 3600' pull 1 run and tbg started unloading. Flowed for 30 min's. Made 6 hourly swab runs . Recover 8 bbls swabing and flowing. Casing pressure 150 psi.

SWIFN.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 10/12/2005 AFE #: 4831590

Report #:

tank. RIH w/ swab and tag fluid @ 3000'.

Made 4 swab runs and dryed up. Go to hourly runs. Made 9 total swab runs.

Summary: 130 SITP. 360 SICP. Blow tbg down to

**End Time** 

Description

6:00 PM

130 SITP. 360 SICP. Blow tog down to tank. RIH w/ swab and tag fluid @ 3000'. Made 4 swab runs and dryed up. Go to hourly runs.

Made 9 total swab runs. Recover bbls 5 flowing and swabing.

SWIFN.

Recover bbls 5 flowing and swabing. SWIFN.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 10/11/2005

Report #:

82

**End Time** 

Description

AFE #: 4831590

6:00 PM

120 SITP, 320 SICP. Blew the down and RIH w/ swab tag fluid @ surface. Made 5 swab runs and dryed up. Go to hourly runs. Make 8

Summary: 120 SITP. 320 SICP. Blew tbg down and runs total swab 13 runs. Recover 20 bbls. SWIFN.

RIH w/ swab tag fluid @ surface. Made 5 swab runs and dryed up. Go to hourly

runs. Make 8 runs total swab 13 runs.

Recover 20 bbls. SWIFN.

API: 4303731827

Area: Big Indian

Well Name: Big Indian 36-42

Report #:

**End Time** 

Description

AFE #: 4831590

Ops Date: 10/10/2005

6:00 PM

1650 SIWP. Blew down to flowback tank. Spot in rig equipment. N/D frac valve and N/U BOPE. TIH w/ noch collar, 4' pup, 1.81 F-nipple,

1 jt, 1.87 F-nipple and 158 jts. Tag CIBP @ 5000'. L/D 20 jts EOT @

4396. SWIFN.

Summary: 1650 SIWP. Blew down to flowback tank.

Spot in rig equipment. N/D frac valve and N/U BOPE. TIH w/ noch collar, 4' pup,

1.81 F-nipple, 1 jt, 1.87 F-nipple and 158

jts. Tag CIBP @ 5000'. L/D 20 jts EOT @ 4396, SWIFN.

	TE OF UTAH OIL, GAS AND MINING	5. Lease Designation and Serial No. ST-UT-37067				
SUNDRY NOTICES A	ND REPORTS ON V	6. If Indian, Allotte or Tribe Name				
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.			NA NA			
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.			7. Unit Agreement Name			
			NA			
1. Type of Well			8. Well Name and Number			
☐ Oil Well ☐ Gas Well ☐ Other			Big Indian 36-42			
2. Name of Operator:	2. Name of Operator: Contact:			9. API Well Number		
EnCana Oil & Gas (USA) Inc. Phone:			43-037-31827			
3. Address and Telephone No.			10. Field and Pool, or Exploratory Area			
370 Seventeenth Street, Suit	e 1700, Denver, CO 8	30202	Big Indian			
4. Location of Well						
Footages: 553' FSL, 1813' FWL			County: San Juan			
QQ, Sec T,R,M: SESW Sec 36-29S-24	E		State: Utah			
			REPORT, OR OTHER DAT	TA		
NOTICE OF INTER			UBSEQUENT REPORT			
(Submit in Duplicate	•	(Si	ubmit Original Form Only)			
	w Construction	☐ Abandon*		Construction		
Li Repair Casing	II or Alter Casing	Repair Casing	_	or Alter Casing		
Change rians	complete	Change Plans	_	omplete		
	perforate	Convert to Injection		erforate		
	nt or Flare	☐ Fracture Treat or Acidiz	~ _	t or Flare		
- Hataple Completion	ater Shut-Off	_	∐ Wat	er Shut-Off		
☐ Other		✓ Other Report	of Activity			
Approximate date work will start		Date of work completion				
		Report results of Multiple Complet	ions and Recompletions to different reser	rvoirs		
	on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.					
12. Describe Proposed or completed Operation (clearly state all per			a cement verification report.			
If the proposal is to deepen directionally or recomplete horizont Attach the Bond under which the work will be performed or prov following completion of the involved operations. If the operation testing has been completed. Final Abandonment Notices shall be determined that the site is ready for final inspection.)	ally, give subsurface locations and measuride the Bond No. on file with the BLM results in a multiple completion or rec	sured and true vertical depths of all polyBIA. Required subsequent reports simpletion in a new interval, A form 3	ertinent markers and zones. hall be filed within 30 days 8160-4 shall be filed once			
on 10/19/05. Howeve		operations are expected	pletion since the last up ed to resume around the			
				RECEIVED		
				DEC 2 2 2005		
				DIV. OF OIL, GAS & MINING		
13						
Name (Printed/Typed)	Title					
Jane Washburn		Operations Enginee	ring Tech			
Signature Aug. // Mara	Date	12/19/2005				

FORM 9 STATE OF UTAH DIVISION OF OIL, GAS AND MINING	5. Lease Designation and Serial No ST-UT-37067	HEU-	
SUNDRY NOTICES AND REPORTS ON V	6. If Indian, Allotte or Tribe Name	JAN 2 7 2006	
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged ar	NA	JAN -	
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for st	7. Unit Agreement Name	DIV. OF OIL, GAS & MINING	
		NA	DIA. OL OIE! C.
1. Type of Well		8. Well Name and Number	
Oil Well Gas Well Other		Big Indian 36-42	
2. Name of Operator: Contact:		9. API Well Number	
EnCana Oil & Gas (USA) Inc.   Phone:		43-037-31827	
3. Address and Telephone No.		10. Field and Pool, or Exploratory A	Area
370 Seventeenth Street, Suite 1700, Denver, CO 8 4. Location of Well	30202	Big Indian	<del></del>
Footages: 553' FSL, 1813' FWL		County: San Juan	
QQ, Sec T,R,M: SESW Sec 36-29S-24E		State: Utah	
QQ, 566 1,1,1,14. 555 11 566 56 275 2 15		Sinc. Our	
11. CHECK APPROPRIATE BOX(ES) TO INDICATE			
NOTICE OF INTENT (Submit in Duplicate)	i	UBSEQUENT REPORT ubmit Original Form Only)	
Abandon New Construction	Abandon*	D New Construc	tion
		☐ New Construct ☐ Pull or Alter C	
The second casing	Repair Casing	Recomplete	asiig
☐ Change Plans ☐ Recomplete ☐ Convert to Injection ☐ Reperforate	Change Plans Convert to Injection	Reperforate	
Fracture Treat or Acidize	Fracture Treat or Acidi	□	
☐ Multiple Completion ☐ Water Shut-Off		☐ Water Shut-O	ff
Other	☑ Other		
Approximate date work will start	Date of work completio	t of Activity	
Approximate thate work will start	Report results of Multiple Comple	<del></del>	
		ECOMPLETION REPORT AND LOG form.	
	* Must be accompanied by	a cement verification report.	
12. Describe Proposed or completed Operation (clearly state all pertinent details, including estimated start			
If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and mea Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM			
following completion of the involved operations. If the operation results in a multiple completion or rec			
testing has been completed. Final Abandonment Notices shall be filed only after all requirements, inclu			
determined that the site is ready for final inspection.)			
Attached for your information are daily repo	orts from 1/3/06 throu	igh 1/11/06 to update completion	on activity
information on the Big Indian 36-42.			
13.			
Name (Printed/Typed) Title			
Jane Washburn	Operations Enginee	ering Tech	
Signature Date	01/23/2006		
(This space for State use only)			

RECEIVED JAN 2 7 2006



Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 01/11/2006

91 Report #:

**End Time** 

Description

AFE #: 4831590

6:00 PM

15 SIWP. Left well shut in for build up.

Summary: 15 SIWP. Left well shut in for build up.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 01/10/2006

Report #: 90

**End Time** 

Description

AFE #: 4831590

6:00 PM

15 SIWP. Left well shut in for build up.

Summary: 15 SIWP. Left well shut in for build up.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 01/09/2006 AFE #: 4831590

89 Report #:

**End Time** 6:00 PM

Summary: 10 SIWP. Dump 2 sx cement on CIBP @ 4150. Set CIBP @ 3860 and perforate interval # 8 Upper honaker trail/ cutler @

3756-37, 3632-13. Land PKR @ 3518 and swab test. SWIFN.

Description

10 SIWP. Blew down and R/U lone Wolf WL. Dump bail 2 sx of cement on CIBP @ 4150. Set CIBP @ 3860 and perforate interval #8 Upper Honaker trail/ Cutler @ 3756-37, 3632-13. w/ 4 jspf, 120

deg phasings. Loaded 3 1/8 expendable casing guns w/ 23g charges, made 2 gun runs footage 38' and 152 holes, R/D Lone Wolf WL. Blew csg down 1 min. RIH w/ AS1-7k-PKR left hand set right hand release and 111 jts of 2 3/8 tbg. Land PKR in hanger w/ 15,000 down. PKR set @ 3518. N/D BOPE, N/U wellhead. RIH w/ swab and

tag nipple @ 3496. Pull dry run. Shut well in and RDMO.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 01/06/2006 AFE #: 4831590

Report #: 88 **End Time** 6:00 PM

Description

Summary: 10 SITP. Blew down and swab test.

Summary: 30 SITP. Blow down to tank and RIH w/

Recover 0 bbis. Release PRK lay down

13 jts and POOH w/ 113 jts. SWIFN.

10 SITP. Blew down and RIH w/ swab tag nipple pulled dry. Go to 2

hour runs made 4 runs total. Recover 0 bbls. Release PRK lay down

13 jts and POOH w/ 113 jts. SWIFN.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 01/05/2006

swab and test.

Report #: 87 **End Time** 

Description

AFE #: 4831590

6:00 PM

30 SITP. Blew down to tank and RIH w/ swab tag nipple and pulled

1/2 bbl. Go to hourly swab runs. Made total of 6 runs and recover 1

bbl. SWIFN.

Report by Wellcore

JAN 2 7 2006

January 23, 2006 04:14 PM

DIV. OF OIL, GAS & MINING



Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 01/04/2006

Report #: 86 **End Time** 6:00 PM

Description

AFE #: 4831590

Summary: 80 SIWP. Dump cement and set CIBP @

4150. Perforate interval #6 Upper Honaker trail @ 4086-68, 4026-15, RIH

w/ PKR and swab test. SWIFN.

80 SIWp. Blew down and POOH. R/U Lone Wolf WL and dump bail 2 sx of cement on CIBP @ 5000'. Set CIBP @ 4150 and perforate interval #6 @ 4086-68, 4026-15 w/ 4 ispf, 120 deg phasing. Loaded 3 1/8 expendable casing guns w/ 23g charges. Made 2 gun runs footage 29' and 116 holes. R/D Lone Wolf WL and RIH w/ 5 1/2 R-3 packer and set @ 3989 w/ 126 jts in. RIH w/ swab tag fluid @ 3660.

made 4 runs and dried up. Wait 1 hr dry. Recovered 11 bbls.

SWIFN.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 01/03/2006 AFE #: 4831590

Report #: 85

**End Time** 

Description

6:00 PM

700 SIWP. MIRU spot in rig equipment change over to 2 3/8 tbg. Blow csg down and N/D wellhead, N/U BOPE. Tally in the hole w/

126 jts. POOH w/ 31stds. SWIFN.

Summary: 700 SIWP. MIRU and pick up 126 its.

SWIFN.

API: 4303731827

Area: Big Indian

Ops Date: 10/18/2005 AFE #: 4831590

Well Name: Big Indian 36-42

Report #:

**End Time** Description

Summary: 220 SICP. 50 SITP. Blow well down

Summary: 120 SITP, 490 SICP, Blow tbg down to

come out L/D. N/D BOPE, N/U wellhead.

tank. Release PDS flowback equipment.

RIH w/ swab and tag fluid @ 3600' pull 1

run and tog started unloading. Flowed for 30 min's. Made 6 hourly swab runs . Recover 8 bbls swabing and flowing. Casing pressure 150 psi. SWIFN.

RDMO.

220 SICP. 50 SITP. Blow well down come out L/D. N/D BOPE, N/U

wellhead, RDMO,

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 10/17/2005

Report #: 83

**End Time** 

6:00 PM

Description

AFE #: 4831590

6:00 PM

120 SITP, 490 SICP, Blow tog down to tank, Release PDS flowback equipment. RIH w/ swab and tag fluid @ 3600' pull 1 run and tbg started unloading. Flowed for 30 min's. Made 6 hourly swab runs . Recover 8 bbls swabing and flowing. Casing pressure 150 psi.

SWIFN.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 10/12/2005

AFE #: 4831590

Report #: 82 **End Time** 6:00 PM

Summary: 130 SITP. 360 SICP. Blow tbg down to tank. RIH w/ swab and tag fluid @ 3000'.

Made 4 swab runs and dryed up. Go to hourly runs. Made 9 total swab runs. Recover bbls 5 flowing and swabing.

SWIFN.

Description

130 SITP. 360 SICP. Blow tbg down to tank. RIH w/ swab and tag fluid @ 3000'. Made 4 swab runs and dryed up. Go to hourly runs. Made 9 total swab runs. Recover bbls 5 flowing and swabing.

SWIFN.

Report by Wellcore

JAN 2 7 2006

January 23, 2006 04:14 PM

DIV. OF OIL, GAS & MINING

Big Indian 36-42 43-037-31827 Tags RayE 5-36 PUMP SCHEDULE

CONFIDENTIAL

April 28, 2005

**TOTAL** 

170.1

MIX RATE 6				STAGE	BBLS	TOTAL BBLS
H2O Ahead				0	BBLS	0.0 BBLS
<b>Pressure Test Lines to 2500</b>						
H2O Ahead				0	BBLS	0.0 BBLS
Gel CemNet				50	BBLS	50.0 BBLS
GREEN DYE						
Lead Slurry	12.5	610	SKS	227.1	BBLS	277.1 BBLS
Tail Slurry	15.8	97	SKS	20.0	BBLS	297.1 BBLS
MIX H20 3.44	11.4	48 BBLS				

RATE 7 BPM

**DISPLACEMENT FRESH WATER** 

SHUTDOWN DROP PLUG

LAST 10 BBL LOWER RATE TO 2.5 BPM

**BUMP PLUG** 

1352 PSI

Lift Pressure

1111 PSI

RATE

MAX PRESSURE 1000 PS

Encana

Big Indian 36-42

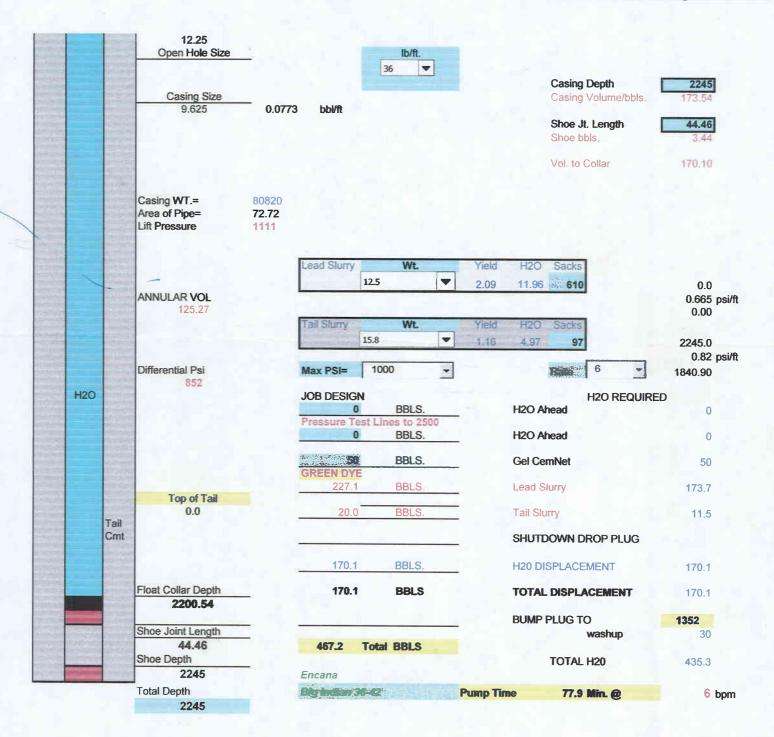
DO NOT SPILL ANY THING ON THE GROUND



April 28, 2005

#### 9 5/8"SURFACE

This color needs checked or changed



**Schlumberger** 

## Cementing Service Report

CONFIDENTIA

Job Number **ENCANA USA - PARADOX BASIN FLD OFC** 2206945363 Well Location (legal) Schlumberger Location Job Start Big Indian 36-42 Sec:36-T29S-R24E Farmington, NM 2005-Apr-28 Field Bit Size Well MD Well TVD Formation Name/Type Deviation Wild cat Shale 12.3 in 2,245 ft 2,245 ft State/Province County BHP BHST BHCT Pore Press, Gradient San Juan Utah 110 °F 93 °F psi/ft psi Well Master: API / UWI: 0630530544 Casing/Liner Rig Name Drilled For Service Via Depth, ft Size, in Weight, lb/ft Grade Thread **Unit 135** Oil & Gas Land 2245 9.63 N80 LTC Offshore Zone Well Class Well Type New Exploration **Tubing/Drill Pipe** Plastic VI: CP **Drilling Fluid Type** Max. Density Depth, Size, in Weight, lb/ft Grade Thread Other 8.4 lb/gal Service Line Job Type Cem Surface Casing Cementing Perforations/Open Hole Max. Allowed Tubing Pressure Max. Allowed Ann. Pressure WellHead Connection ft Bottom, ft Top, spf No. of Shots Total Interval 1000 psi psi 9.5/8" Service Instructions Diameter Cement 9 5/8" Surface Casing @ 2200ft with: Lead 610 sks (12.5ppg) with in 2 lb/bbl cemnet and Tail 97 sks (15.8ppg) with 2 lb/bbl cemnet Pump 50 bbls Treat Down Displacement Packer Type Packer Depth of water ahead with gel and 2 lb/bbl cemnet. Casing 170.1 bbl ft Tubing Vol. 200 sks class G for top out if needed. Casing Vol. Annular Vol. OpenHole Vol bbl 173.54 bbi 125.27 bbl bbl Casing/Tubing Secured 1 Hole Volume Circulated prior to Cementing **Casing Tools** Squeeze Job Lift Pressure: 1111 psi Shoe Type: Squeeze Type Guide Pipe Rotated Pipe Reciprocated Shoe Depth: 2245 ft Tool Type: No. Centralizers: Top Plugs: Bottom Plugs: Stage Tool Type: Tool Depth: O ft Cement Head Type: Single Stage Tool Depth: Tall Pipe Size: ft in Job Scheduled For: Arrived on Location: Leave Location: Coltar Type: Float Tall Pipe Depth: ft 2005-Apr-28 11:15 Coffar Depth: 44.46 ft Sqz Total Vol: bbl Date Treating Psi. Time Density **Pump Rate Pump Tot Vol Nrd Rate** Nrd Stage Nrd Total Message 24 hr lb/gal bbl/min psi bbi bbl/min bbl bbl 2005-Apr-28 12:55 3 8.367 0.0 0.0 0.0 0.0 0.0 2005-Apr-28 12:55 Start Job 2005-Apr-28 12:55 4 8.366 0.0 0.0 0.0 00 0.0 2005-Apr-28 2582 12:56 8.367 nn 0.2 0.0 0.0 0.0 2005-Apr-28 12:57 2558 8.372 0.0 0.2 0.0 0.0 0.0 2005-Apr-28 12:57 Pressure Test Lines 2005-Apr-28 12:57 12 8.353 0.0 02 0.0 00 0.0 2005-Apr-28 12:58 154 8.380 2.3 0.2 0.9 0.0 0.0 2005-Apr-28 12:58 Start Gel CemNet 2005-Apr-28 12:58 70 8.259 52 1.0 4.8 0.6 0.6 2005-Apr-28 12:59 150 8.298 7.5 8.5 7.1 7.8 78 2005-Apr-28 13:00 130 8.310 7.7 16.0 7.3 14.9 14.9 2005-Apr-28 13:01 112 8.355 6.1 22.3 6.1 21.2 21.2 2005-Apr-28 13:02 124 -3.120 6.1 28.4 0.0 25.6 25.6 2005-Apr-28 13:03 152 8.291 6.1 34.4 6.0 30.4 30.4 2005-Apr-28 13:04 124 8.289 6.0 40.5 5.9 36.2 36.2 2005-Apr-28 13:05 118 7.759 6.2 46.6 5.0 40.8 40.8 2005-Apr-28 13:06 68 8.335 3.4 51.0 3.4 44.1 44.1 2005-Apr-28 13:07 158 9.097 4.1 55.1 3.9 0.9 48.1 2005-Apr-28 13:08 180 14.083 4.2 58.1 4.0 3.9 51.1 2005-Apr-28 13:08 Start Mixing Lead Slurry 2005-Apr-28 13:08 83 13.845 4.1 59.3 4.4 5.0 52.3

Well			Fleia	Field		ce Date	Date Customer			Job Number
В	ig Indian #	36-42		Wild cat		118-Apr-28	ENCANA USA	- PARADOX B	ASIN FLD OFC	2206945363
Date	Time	Treating Psi.	Density	Pump Rate	Pump Tot Vo	Nrd Rate	Nrd Stage	Nrd Total	M	essage
	24 hr									
	clock	psi	lb/gal	bbi/mln	bbl	bbl/mln	ldd	bbl		
2005-Apr-28	13:09	115	13.682	4.3	63.5	4.0	8.9	56.2		
2005-Apr-28	13:10	147	12.983	5.2	68.4	4.8	13.4	60.6		
2005-Apr-28	13:11	134	12.639	5.2	73.6	5.0	18.3	65.5		
2005-Apr-28	13:12	137	12.484	5.1	78.7	4.7	23.1	70.3		
2005-Apr-28	13:13	164	12.542	5.2	83.9	5.1	28.0	75.3		
2005-Apr-28	13:14	183	12.473	5.1	89.1	5.1	33.0	80.2		
2005-Apr-28	13:15	182	12.465	5.1	94.2	5.2	37.9	85.1		
2005-Apr-28	13:16	100	12.509	5.1	99.4	5.0	42.9	90.1		
2005-Apr-28	13:17	116	12.542	5.3	104.6	5.0	47.8	95.0		
2005-Apr-28	13:18	178	12.478	5.3	109.7	5.1	52.7	100.0		
2005-Apr-28	13:19	149	12.465	5.1	115.2	5.1	58.1	105.3	1	
2005-Apr-28	13:20	169	12.509	5.1	120.4	5.1	63.2	110.4		
2005-Apr-28	13:21	142	12.516	5.3	125.6	4.9	68.3	115.5		
2005-Apr-28	13:22	113	12.495	5.1	130.9	5.0	73.4	120.6		
2005-Apr-28	13:23	144	12.480	5.1	136.0	5.1	78.5	125.7		
2005-Apr-28	13:24	205	12.484	6.3	141.4	6.5	83.8	131.0		
2005-Apr-28	13:25	206	12.529	6.3	147.8	6.3	90.1	137.4		
2005-Apr-28	13:26	233	12.395	6.4	154.2	6.3	96.5	143.7		
2005-Apr-28	13:27	200	12.503	6.4	160.6	6.2	102.8	150.1	<del> </del>	
2005-Apr-28	13:28	194	12.529	6.3	167.1	6.4	109.2	156.4	<del> </del>	
2005-Apr-28	13:29	216	12.528	6.5	173.5	6.4	115.5	162.8		
2005-Apr-28	13:30	200	12.453	6.4	179.9	6.4	121.9	169.1		
2005-Apr-28	13:31	199	12.465	6.4	186.3	6.4	128.2	175.5		
2005-Apr-28	13:32	187	12.465	6.4	192.7	6.3	134.6	181.8		
2005-Apr-28	13:33	211	12.580	6.3	199.2	6.4	141.1	188.3		
2005-Apr-28	13:34	215	12.504	6.5	205.6	6.5	147.5	194.7		
2005-Apr-28	13:35	203	12.526	6.4	212.0	6.2	153.9	201.1	<b>]</b>	
2005-Apr-28	13:36	203	12.569	6.4	218.5	6.4	160.2	207.5		
2005-Apr-28	13:37	194	12.408	6.3	224.9	6.4	166.6	213.8	<u> </u>	
2005-Apr-28	13:38	213	12.490	6.4	231.3	6.4	173.0	220.2		
2005-Apr-28	13:39	219	12.504	6.4	237.7	6.3	179.3	226.6		· · · · · · · · · · · · · · · · · · ·
2005-Apr-28	13:40	195	12.466	6.4	244.1	6.3	185.7	232.9		
2005-Apr-28		184	12.540	8.4	250.5	6.3				
2005-Apr-28	13:42	213	12.542	6.3	256.9	6.5	192.1	239.3 245.7		<del></del>
2005-Apr-28	13:43	199	12.542	6.4	263.3	6.5	204.8	252.0		
2005-Apr-28	13:44	180	12.463	6.5	269.7	6.3	211.1	258.4		
2005-Apr-28	13:45	216	12.529	6.4	276.3	6.5	217.6	264.8		
2005-Apr-28	13:45				2.0.0	0.0	217.0	204.0	End Lead Slur	
2005-Apr-28	13:46	164	11.937	6.5	282.7	6.4	223.9	271.1	Elia Leau Siul	<u> </u>
2005-Apr-28	13:47	70	12.649	4.1	286.9	4.0	228.0	271.1		
2005-Apr-28	13:48	103	14.016	4.2	291.5	3.5	2.3	279.4		
2005-Apr-28	13:49					3.3	2.3	213.4	Start Minima T	ail Churc
2005-Apr-28	13:49	112	15.716	4.2	296.0	3.5	6.4	283.5	Start Mixing Ta	an Siuity
2005-Apr-28	13:50	206	16.008	5.2	300.8	5.0	10.5	287.5		
2005-Apr-28	13:51	190	15.594	4.1	305.4	4.1	15.0	267.5 292.0		
2005-Apr-28	13:52			7. 1	****	7.1	13.0	292.0	End Tail Slum	
2005-Apr-28	13:52	38	16.136	1.9	307.7	2.7	16.8	293.8	ENG THE SIGN	
	13:52	13	16.126	0.0	307.8	0.1	16.9	293.8		
	13:52		10.120	0.0	301.0	0.1	10.9	∠93.9	Deen Tar Di	
	13:52	14	16.143	0.0	307.8	0.0	160	202.0	Drop Top Plug	
	13:53	12	16.127	0.0	307.8	0.0	16.9	293.9		
	13:53	12	10.121	0.0	301.0	0.0	0.0	293.9	Obad Diagla	
	13:53	12	16.142	0.0	307.8	0.4			Start Displace	nent
	13:54	56	9.468			0.1	0.0	293.9		
2000-Apr-20	10.04	30	J.400	4.0	311.6	4.1	3.7	297.6		

Well			Fielu		Servi	ce Date	Customer			Job Number
В	ig Indian #	36-42		Wild cat 05118		118-Apr-28	ENCANA USA	- PARADOX E	BASIN FLD OFC	2206945363
Date	Time	Treating Psi.	Density	Pump Rate	Pump Tot Vo	Nrd Rate	Nrd Stage	Nrd Total	M	essage
	24 hr clock	psi	lb/gal	bbl/min	bbl	bbi/min	bbl	bbl		
2005-Apr-28	13:55	48	8.711	3.9	315.6	4.2	7.8	301.7		
2005-Apr-28	13:56	22	6.964	4.0	319.5	3.0	11.9	305.8		
2005-Apr-28	13:57	91	8.392	6.4	324.5	6.3	16.3	310.2		
2005-Apr-28	13:58	93	8.392	6.4	330.9	6.5	22.7	316.6	<u> </u>	
2005-Apr-28	13:59	94	8.399	6.3	337.3	6.6	29.1	323.0		
2005-Apr-28	14:00	127	8.399	6.5	343.7	6.5	35.6	329.5	1	
2005-Apr-28	14:01	143	8.399	6.3	350.1	6.2	42.0	335.9		
2005-Apr-28	14:02	193	8.399	6.4	356.6	6.5	48.4	342.3	+	
2005-Apr-28	14:03	196	8.399	6.4	363.0	6.4	54.8	348.7		
2005-Apr-28	14:04	233	8.399	6.4	369.4	6.3	61.2	355.1		·
2005-Apr-28	14:05	266	8.399	6.4	374.4	6.5		<del> </del>	<del>}</del>	
2005-Apr-28	14:05	200	0.333	0.4	3/4.4	0.5	66.2	360.1	Compand to Co	reference 400 hble
<u></u>		200	8 300	62	27E 0	62	67.6	204 E	Cement to Su	rface 100 bbls
2005-Apr-28 2005-Apr-28	14:05 14:06	290 288	8.399 8.399	6.3 6.4	375.8 382.2	6.3	67.6	361.5		
	14:06	335			<del></del>	6.3	73.9	367.9		
2005-Apr-28	14:07	335	8.405	6.4	388.6	6.5	80.3	374.3	-	
2005-Apr-28			8.399	6.3	395.1	6.3	86.8	380.7	1	
2005-Apr-28	14:09	351 386	8.405	6.5	401.5	6.3	93.2	387.1		
2005-Apr-28	14:10	300	8.399	6.4	407.3	6.3	98.9	392.8	<u> </u>	
2005-Apr-28	14:10	425	0.405	65	407.0			000.4	Lower Pump	Rate
2005-Apr-28	14:10	435	8.405	6.5	407.9	6.4	99.5	393.4	<u> </u>	
2005-Apr-28	14:11	200	0.400		440.5				Lower Pump	Rate
2005-Apr-28	14:11	390	8.403	5.1	412.5	5.2	104.1	398.0		
2005-Apr-28	14:11	341	8.399	5.1	413.9	5.1	105.5	399.4	<b>.</b>	
2005-Apr-28	14:12	352	8.399	5.2	419.1	5.0	110.6	404.5		
2005-Apr-28	14:13	443	8.399	5.1	424.2	5.1	115.7	409.6		
2005-Apr-28	14:14	403	8.399	5.1	429.4	5.1	120.8	414.7		
2005-Apr-28	14:15	447	8.405	5.2	434.6	5.1	125.9	419.8		
2005-Apr-28	14:16	476	8.405	5.2	439.8	5.1	131.0	425.0		
2005-Apr-28	14:17	444	8.405	5.1	444.9	5.1	136.1	430.0		
2005-Apr-28	14:18	524	8.399	5.1	450.1	4.9	141.2	435.2		
2005-Apr-28	14:19	465	8.405	5.3	455.2	5.1	146.3	440.2		
2005-Apr-28	14:20								Lower Pump I	Rate
2005-Apr-28	14:20	512	8.399	2.5	460.0	2.4	151.2	445.1		
2005-Apr-28	14:20	416	8.399	2.5	460.2	2.4	151.3	445.2		
2005-Apr-28	14:21	525	8.399	2.5	462.6	2.4	153.7	447.6		
2005-Арг-28	14:22	462	8.397	2.4	465.1	2.3	156.1	450.1		
2005-Apr-28	14:23	529	8.399	2.4	467.6	2.4	158.6	452.5		
2005-Apr-28	14:24	534	8.400	2.1	469.8	2.0	160.7	454.6		
2005-Apr-28	14:25	550	8.402	21	471.9	2.0	162.8	456.7		
2005-Apr-28	14:26	565	8.399	2.1	474.0	2.0	164.8	458.7		
2005-Apr-28	14:27	581	8.399	2.1	476.1	1.9	166.9	460.8		
2005-Apr-28	14:28	566	8.399	2.1	478.2	2.0	168.9	462.8		_
2005-Apr-28	14:29	1111	8.405	0.0	480.0	0.0	170.6	464.5		
2005-Apr-28	14:29								Bump Top Plu	ıg
2005-Apr-28	14:29	1115	8.405	0.0	480.0	0.0	170.6	464.5		
2005-Apr-28	14:30	1105	8.405	0.0	480.0	0.0	170.6	464.5		
2005-Apr-28	14:31	2	8.410	0.0	480.0	0.0	170.6	464.5		
2005-Apr-28	14:31								Check Floats	(holding)
2005-Apr-28	14:31	1	8.405	0.0	480.0	0.0	170.6	464.5		·
2005-Apr-28	14:32					1			Wait on Ceme	ent
2005-Apr-28	14:32	2	8.406	0.0	480.0	0.0	170.6	464.5		
2005-Apr-28	15:36								Cement Held	Fill Bucket on Rig
									with Dry Ceme	
2005-Apr-28	15:36	-2	0.095	0.0	0.0	4.7	355.1	649.0		

Well			Field		ŀ	Service	Date	Customer			Job Number
Bi	g Indian i	#36-42		Wild cat	cat 05118-Apr-28		18-Арг-28	ENCANA	USA - PARADOX I	BASIN FLD OFC	2206945363
Date	Time	Treating Psi.	Density	Pump Rate	PumpT	ot Vol	Nrd Rate	Nrd Sta	ge Nrd Total		Vlessage
aari Yesa H	24 hr clock	psi	lb/gal	bbl/mln	bt	al l	bbl/mln	bbl	bbl		
2005-Apr-28	15:37	-2	0.083	0.0	0.	0	4.4	357.	7 651.6		
2005-Apr-28	15:37									End Job	
Post Job Summary											
Average Pump Rates, bpm								Volume of Fluid	l Injected, bl	ol	
Slurry		N2	Mud	Max	imum Rate	To	tal Slurry	M	ud	Spacer	N2
5				ľ	6.5		245	Ī		Ť	
		Treating Press	ure Sum	mary, psi					Breakdown F	luid	
Maximum	Final	Average	Bump	Plug to B	reakdown	Ì			Volume	D	ensity
1100		350	1	100						bbl	lb/gal
Avg. N2 Percent		Designed Slurry	√olume	Displaceme	nt	Mix Wa	nter Temp	Cem	ent Circulated to S	urface? Volume	100 bbl
	%	247	bbl	170	bbl	58	°F	Was	hed Thru Perfs	То	ft
Customer or Aut	horized	Representative		Schlumberg	er Supervi	<b>SOF</b>	<del></del> '-				
		Sitt	on, Mike				Lewis	, Roger	Circulation	Lost 🗸	Job Completed



## **G**ementing Job Report

Well

Big Indian 36-42

**Field** 

Engineer Roger W. Lewis
Country United States

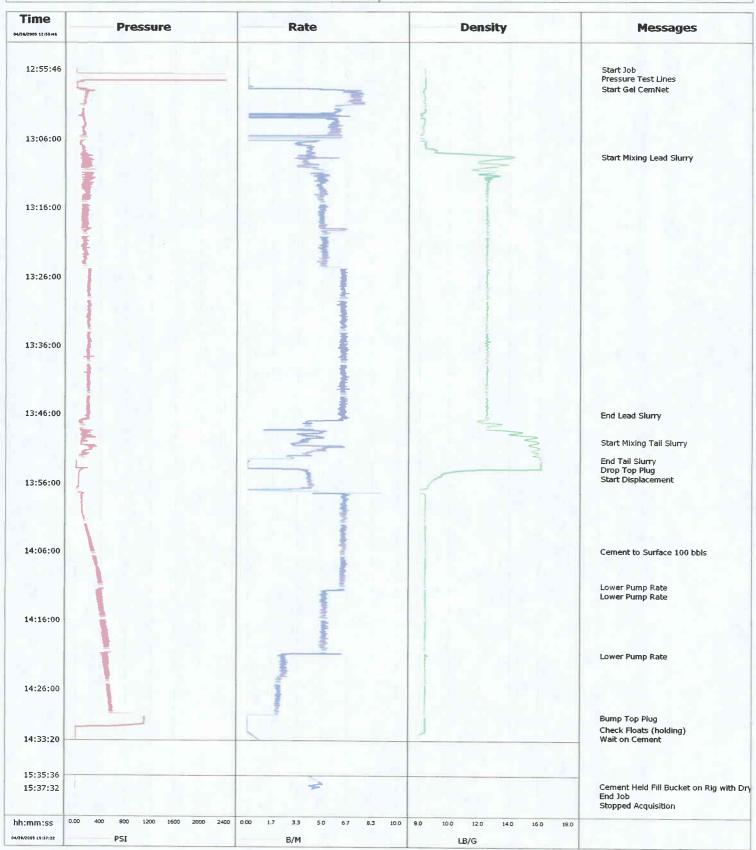
Client Encana

STR No. 2206945363

Job Type 9 5/8" Surface

Job Date

4-28-2005





B.O.P. Testing
2590 North 500 East • Vernal, Utah 84078

Nipple Up Service

Office (435) 789-8159 • Fax: 435-781-6445

FIELD TICKET

3818 V O

RENTED TO		X,J,O	NO.
			DATE 7-24-05
ORDERED BY_		LEASE Starte C	17 WELL NO.16-8-
Rental begins when	n tools leave our war	The state of the s	ereto. Rental day starts at midnight and part day s
_	•	201	150
	-	D FROM JOB SITE: 280 MI	ILES @ \$ 1150 PER MILE \$ 4/66
SET UP CH	HARGE	Hr. Min.	\$ 800
HOURSAF	TERMIN.	Hrs. @	<u> </u>
ems Tested:			
DÍDO	Prams to 1,000 p	osi Csg. to SCO	psi
Blint	rams to 1,000 p	osi Hydril B.O.P. to	psi Upper Kelly Cock psi
	rams top		psi Lower Kelly Cock psi
		si Inside B.O.P.	
			psi
THER:			
- Constitution of the Cons			
.01 0000.	Conn.		each \$
LUGS:	TYPE	SIZE	\$
ACKER:	SIZE	@ _	\$
HEMICALS:		0	— // LL *
ECTION:			
OWNSHIP:			
ANGE:			
			and the state of t
HARGE TO: ) OPERATOR _	a Soma	NOS Brothers	SUB TOTAL
) CONTRACTOR	XIC	RIG#	% TAX
ILLING ADDRE			TOTAL \$ 1,220
			TOTAL TTO

possession of the Lessor and promises to return such equipment to the Lessor in as good condition as it was at the effective date of the lease, natural wear and tear from reasonable use thereof excepted. All equipment lost or damaged beyond repair will be paid for by the Lessee and all damaged equipment which can be repaired will be repaired and the repairs paid for by the Lessee. Accrued rental charges cannot be applied against the purchase price or cost of repairs of such damaged or lost equipment. All transportation charges must be borne by the Lessee. Rental begins when equipment leaves Lessor's yard and continues until returned thereto. ALL TOOLS AND EQUIPMENT SHALL REMAIN the sole property of Lessor. This lease is made and shall be effective when the equipment is delivered to the carrier selected by the Lessee.

TERMS: Net Cash - No Discount. All charges are due and payable at the office of Lessor in Vernal, Utah on the 20th of the month following date of invoice. Interest will be charged at the rate of 18% or maximum allowed by law. Interest charged after 60 days from date of invoice.

We Appreciate Your Business

State Copy

## **XTO ENERGY**

**STATE** 16-8-32 #43

CONFIDENTIAL

API Well No.: 43-015-30566

7/23/2005 EMERY

## 8 5/8 SURFACE CASING

Customer Representative:
RICK OMAN
Halliburton Operator:
COREY REYNOLDS 828-4507
Ticket No.:
3842850

# HALLIBURTON

#### **CEMENT JOB SUMMARY SHEET**

Job Type	8 5/8 SURFACE CASING
----------	----------------------

<u> </u>				Measured	
	Size	Weight	Grade	Depth	
Casing Drill Pipe Tubing	8 5/8"	24		317'	
Hole Size Mud Weight	12 1/4"			324'	

#### **CEMENT DATA**

Spacer	30 BBLS	Bbls H20/GEL	

Cement 1 TYPE "V"

**Additives** 2% CALCIUM CHLORIDE, .25# FLOCELE

Weight (lb/gal) 15.60 Yield (cuft/sk) 1.20 Water (gal/sk) 5.27

220 Sacks

75 Sacks

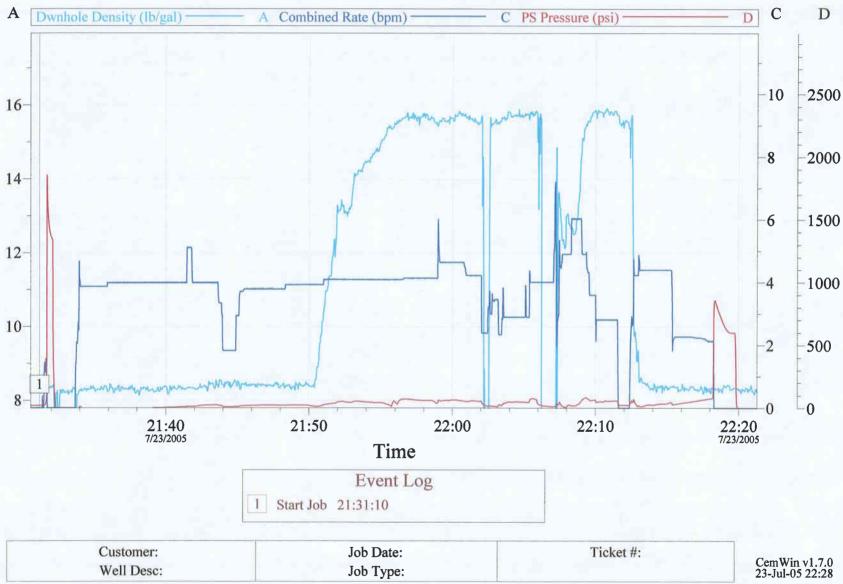
Cement 2 TYPE "V" **Additives** 

2% CALCIUM CHLORIDE ON THE SIDE

Weight (lb/gal) 15.60 Yield (cuft/sk) 1.20 Water (gal/sk) 5.27

Displacement	H20	(lb/gal)					
		CEMEN	ITING EQUIPMENT				
Provider	HES						
<b>Guide Shoe</b>		ea.	Centralizers	· ea.			
Float Shoe		ea.	Plug Type HWE	1 ea.			
Float Collar		ea.	Packer	ft.			
DV Tool		ft.	Retainer	ft.			

## XTO 8 5/8 SURFACE CASING



NORTH AMERICA   ROCKY MOUNTAINS   USA	HALLIBUR	TON		B SUN	MMAR'	Y	3842850		23-Jul-05	i	
COREY REYNOLDS 828-4507	REGION NORTH AMERICA		ROCKY MOU	NTAINS	USA						
Comparison   Com	MBU ID / EMPL # 212159	,	H.E.S EMPLOYEE NAME COREY REYN	IOLDS 82	8-4507		ZONAL IS	SOLATIO	N		,
Case	LOCATION VERNAL, UT		COMPANY:				CUSTOMER REP	PHONE			
Name	TICKET AMOUNT		WELL TYPE			<u> </u>	API/UWI#	· · · · · · · · · · · · · · · · · · ·			
STATE	WELL LOCATION		DEPARTMENT	TION 100	103		SAP BOMB NUMB	ER JOI		CE CASI	NG
March   Marc	LEASE NAME	Well No.	SEC / TWP / RNG				11020	19	<u> </u>	IOL ONG!	
Share Griffin 245589	H.E.S. EMP NAME / EMP # / (EXPOSURE HOUR	S) HRS	moco ozi ivi					HRS			HRS
Dept.   Post											
102863389   240											
102863389   240	LIE C INST #20 (/D /T MILEO)	D (T MILES									
Form. Name				1	ILES		· · · · · · · · · · · · · · · · · · ·	RATIMILE	:5		RITMILES
Type:   Called Out									Ţ		
Form   Thickness   From   To   Packer Type   Set At   S	10101344-10201030	240							<del>                                     </del>		
Date   Time   Total Depth					Called O	ıt	Onloc	ation I	Joh Starte	1 105	Completed
Time   1600   1900   2100   2330   2330   100   100	Packer Type	Set A	t	Date			7/23/	05			
Type and Size	Retainer Depth	Total	Depth	Time	1600		190	0	2100		2330
Float Collar					New/I	Ised			el From	To To	May Allow
Centralizers	Float Collar		HES						119.11		III.GX. 7 III.GV
Limit Clamp	Centralizers			Liner				<b></b>	<u> </u>		
BASKET   HES   Copen Hole   12 1/4"   324"   Shots/Ft.		1			a .						
Calido Shoe   HeS   HeS   Welch   HeS   We	BASKET		HES	Open Ho	ole		"I.,	12 1/4"		324'	Shots/Ft.
Materials   Density   Density   Digal   Disp. Pluid   H20   Density   B.33   Lb/Gal   Disp. Pluid   H20   Density   B.32   Lb   Disp. Pluid   H20   Density   B.32   Lb   Disp. Pluid   Description of Job   Descripti	Guide Shoe		HES								
Date   Hours   Date	erials	HES			6.05.85	Oneratina	Hours	Descri	otion of Joh		
Prop. Type	Mud Type	Density	Lb/Gal	Date	Hours	7	Date	Hours	]		
Acid Type   Gal   %   Acid Type   Gal   %   Acid Type   Gal   In   NE Agent   Gal   In   NE Agent   Gal   In   NE Agent   Gal   In   NE Agent   Gal/Lb   In   Total   4.50   Total   1.00	Prop. TypeS	size	_Lb	772070	4.30	1	1123/03	1.00			
Surfactant   Gal.   In   NE Agent   Gal.   In   Fluid Loss   Gal/Lb   In   Fluid Loss   Gal/Lb   In   Fric. Red.   Gal/Lb   In   Fric. Red.   Gal/Lb   In   Freaker   Gal/Lb	Acid Type	eal.	%			$\exists$					
Fluid Loss   Gal/Lb   In   Gal/Lb   In   Fric. Red.   Gal/Lb   In   Fric. Ring #1   Fric. Ring #2   Fric. Ring #4   Fric. Rin						-					
Califus   Cali						7					
Displacement   Disp	Gelling AgentG	al/Lb	_In								
Perfoac Balls	Breaker G	al/Lb	In I	Total	4.50	Ⅎ	Total	1.00			
Ordered		Gal/L Otv.	b	<u> </u>			Hydraulic	: Horsenov	/er		
Treating 4   Disp. 4   Overall 4	Other			Ordered			Avail.		Us	ed	
Stage   Sacks   Cement   Bulk/Sks   Additives   M/Rg.   Yield   Lbs/Gal	Other			Treating	4		Disp.	4	Overal	i 4	·
Stage   Sacks   Cement   Bulk/Sks   Additives   W/Rq.   Yield   Lbs/Gal	Other			Feet 3	30.37			t Left in Pip		R REQUES	ST .
Stage   Sacks   Cement   Bulk/Sks   Additives   W/Rq.   Yield   Lbs/Gal		an ji ji nan na saw	A Section 1. A Section 1. Sec	Strands Age	southern become	825238	s en la seguina de la composición de la composición de la composición de la composición de la composición de l	and an extended and the second	ans data to a water	24-5 (25-25) 1 277 (25.15	The second section of
Summary   Summ		Bulk/Sks			Additives				W/R	q. Yield	Lbs/Gal
Summary   Circulating   Displacement   Preflush:   Gal - BBl   30 BBLS   Type:   H20/GEL											
Circulating Displacement Preflush: Gal - BBI 30 BBLS Type: H20/GEL Breakdown Maximum Load & Bkdn: Gal - BBI Pad: BbI - Gal Lost Returns-YES Lost Returns-NO NO Excess / ReturnGal BBI BBL Calc. Disp BbI 18.2 Cmt Rtrn#BbI 20 Actual TOC SURFACE Calc. TOC: SURFACE Actual Disp. 18.0 Average Frac. Gradient Treatment: Gal - BBI 30 BBLS Disp: BbI-Gal BBL Shut In: Instant 5 Min. 15 Min. Cement Slurry: Gal - BBI 70 BBLS Total Volume Gal - BBI 118 BBLS Frac Ring #1   Frac Ring #2   Frac Ring #3   Frac Ring #4  THE INFORMATION STATED HEREIN IS CORRECT											10.0
Circulating Displacement Preflush: Gal - BBI 30 BBLS Type: H20/GEL Breakdown Maximum Load & Bkdn: Gal - BBI Pad: BbI - Gal Lost Returns-YES Lost Returns-NO NO Excess / ReturnGal BBI BBL Calc. Disp BbI 18.2 Cmt Rtrn#BbI 20 Actual TOC SURFACE Calc. TOC: SURFACE Actual Disp. 18.0 Average Frac. Gradient Treatment: Gal - BBI 30 BBLS Disp: BbI-Gal BBL Shut In: Instant 5 Min. 15 Min. Cement Slurry: Gal - BBI 70 BBLS Total Volume Gal - BBI 118 BBLS Frac Ring #1   Frac Ring #2   Frac Ring #3   Frac Ring #4  THE INFORMATION STATED HEREIN IS CORRECT											
Breakdown	Circulating	Displa	acement	Sum	mary Preflush:		Gal - RRI	30 BBI	\$ Type	H2(	D/GEL
Cmt Rtrn#Bbl         20         Actual TOC         SURFACE         Calc. TOC:         SURFACE         Actual Disp.         18.0           Average         Frac. Gradient         Treatment:         Gal - BBI         30 BBLS         Disp: BbI-Gal         BBL           Shut In: Instant         5 Min.         15 Min.         Cement Slurry: Gal - BBI         70 BBLS         Total Volume         Gal - BBI         118 BBLS           Frac Ring #1         IFrac Ring #2         IFrac Ring #3         IFrac Ring #4           THE INFORMATION STATED HEREIN IS CORRECT	Breakdown	Maxin	num	NO.	Load & B	kdn:	Gal - BBI		Pad:Bt	I -Gal	· · · · · · · · · · · · · · · · · · ·
Shut In: Instant 5 Min. 15 Min. Cement Slurry: Gal - BBI 70 BBLS  Total Volume Gal - BBI 118 BBLS  Frac Ring #1   Frac Ring #2   Frac Ring #3   Frac Ring #4  THE INFORMATION STATED HEREIN IS CORRECT	Cmt Rtrn#Bbl 20	Actua	ITOC		Calc. TO	C:		SURFAC	E Actual	Disp	18.0
Frac Ring #1   Frac Ring #2   Frac Ring #3   Frac Ring #4  THE INFORMATION STATED HEREIN IS CORRECT	Shut In: Instant		Gradient15 M	in	Cement S	Slurry	: Gal - BBl	70 BBL	S	or-Gal	RBL
THE INFORMATION STATED HEREIN IS CORRECT	Frac Ring #1		rac Ring #2							4.4	
	THE INFORMATION	STATED H	IEREIN IS CORI	RECT	A CONTRACTOR OF THE CONTRACTOR	<b>.</b>			,, and their	<del></del>	

SIGNATURE

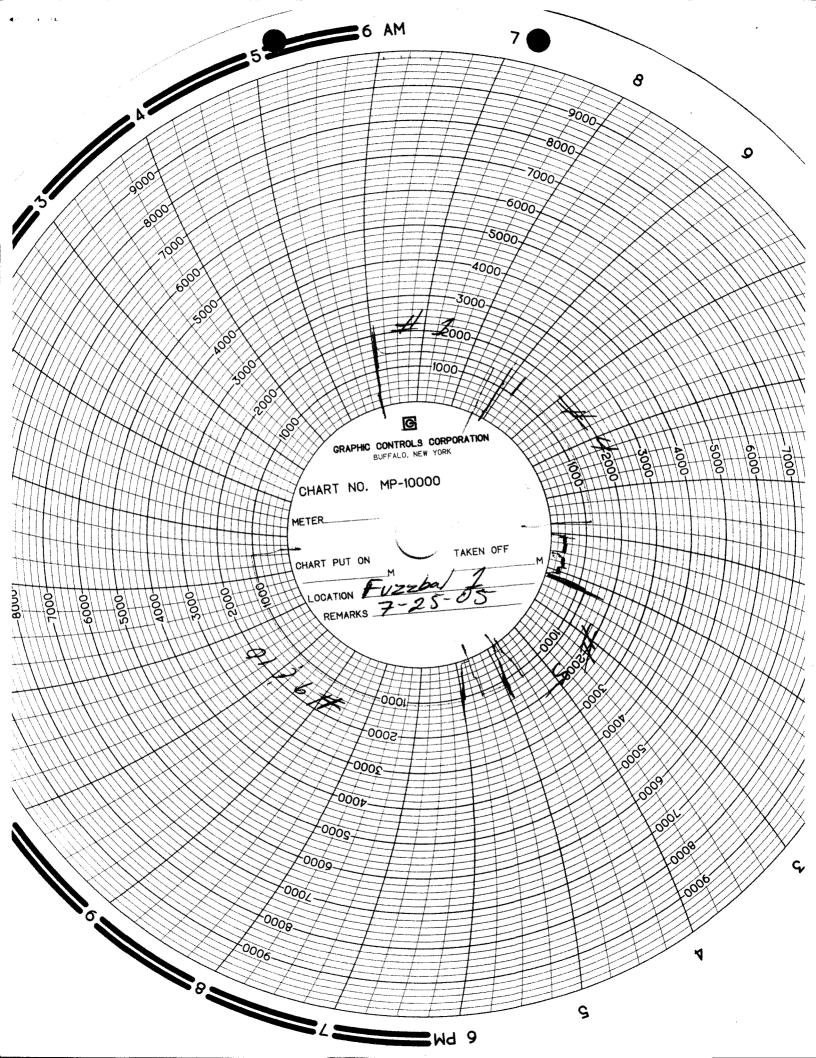
HALI	LIBU	RT	ON		JOB	LOG	ı	3842850	TICKET DATE 7/23/2005			
REGION NORTH A	MERICA	LAND	NWA/CO ROC		OUNTA	INS		BDA /STATE UTAH	COUNTY			
MBU ID / EMPL#			H.E.S EM	PLOYEE N	AME		E07	PSL DEPARTMENT				
# LOCATION			COMPAN	Y		OS 828-4	30 <i>1</i>	ZONAL ISOL CUSTOMER REP / PHOP	NE '			
VERNAL, L	<u>JT</u>		XTO	ENER	RGY	<del> </del>		RICK OMAN				
\$17,816.71			02 G	AS				43-015-3056	6			
WELL LOCATION HUNTING	TON UT		DEPARTA ZON		ΟΙ ΔΤΙΟ	N 10003		JOB PURPOSE CODE 7528	Description  8 5/8 SURFACE CASING			
LEASE/WELL# STATE	,	Well No.	SEC/TW	P/RNG	ND 16 6	/ DNC 9	) E	. • 2 •	TO COLL MOL CHOICE			
Chart	Time	Rate	Volume	EC 32/ TWP 16 S./ RNG 8 me Pmps Press.(PSI)		) L.	Job Des	cription / Remarks				
No.		(BPM)	(BBL)(GAL)	тс	Tbg	Csg	1					
	1600					I	CALLED C	DUT	07/23/05			
	1600						PRE-TRIP	SAFETY MEETI	NG			
	1600					1	LEAVE BE	RRY LOCATION				
	1900						ARRIVE L	OCATION				
							RIG RUNI	ING CASING				
	2030						CASING C	N BOTTOM				
	2000						LOCATIO	N ASSESSMENT	& SAFETY MEETING			
	2000						SPOT EQ	JIPMENT AND F	RIG UP IRON			
	2100						START JO	)B				
	2130	1.0		1000 P			PRESSUR	SURE TEST LINES TO 1000 PSI				
	2137	4.0				22	START 10	1 DYE & FLOCELE				
	2141	4.0	10			29	END H20, START 20 BBLS GEL W/ FLOCELE					
	2151	4.0	20				END GEL,	START 220SX,	47 BBLS CEMENT @ 15.6#			
	2200	4.0	47			78	NO GEL TO SURFACE, PUMP ANOTHER 75 SX					
,	2207	4.0	65	86 CEMENT RETURNS TO SURFACE		URFACE						
	2211		70				END CEM	ENT, SHUT DOV	VN, DROP PLUG			
	2212	4.0				10	START 18	BBLS DISPLAC	EMENT			
	2214	2.0	13			40	SLOW RA	<del></del>				
	2217		18			806	LAND PLU	IG, SHUT DOWN	V			
						ļ			· · · · · · · · · · · · · · · · · · ·			
	2220		ļ				<del></del>	PRESSURE TO	CHECK FLOAT			
· · · · · · · · · · · · · · · · · · ·							FLOAT HE	LD				
<del></del>			ļ						**************************************			
	ļ	· · · · · · · · · · · · · · · · · · ·					<del> </del>		ACE AS PER COMPANY MAN			
		·		<b></b>		<u> </u>	18 BBLS C	EMENT PUMPE	D TO PIT			
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	2230			HH		1	SAFETY N	FETING AND P	ACK UP IRON			
	2330					<b> </b>	END JOB	N				
	2330					<u> </u>	· · · · · · · · · · · · · · · · · · ·	D BY COMPANY	MAN			
· · · · · · · · · · · · · · · · · · ·				$\vdash$		<del>                                     </del>		OU, COREY AND				

## B&C Quick Test, INC. Testing Sheet

OPERATOR: Merrion
WELL#: Fuzbell 2
DATE: 7-25-05

Test	Item Tested	PSI HIGH	PSI LOW	MINUTES	REMARKS
1	UPPER KELLY VALVE	1800		10	W
2	LOWER KELLY VALVE				
3	INSIDE BOP				
4	SAFETY VALVE	1000		10	NU
5	PIPE RAMS & INSIDE VALVE	1000		10	NVL
6	PIPE RAMS&OUTSIDE VALVE				
7	ANNULAR PREVENTER				
8	BLIND RAM,KILL LINE,	1000		10	NVL
	CHOKE LINE & MANIFOLD			10	700
9	BLIND RAM, KILL LINE,				
	CHOKE LINE & OUTSIDE				
	MANIFOLD VALVES				
10	SURFACE CASING	1000		30	1112

4	
TESTER: //	1
	<del></del>



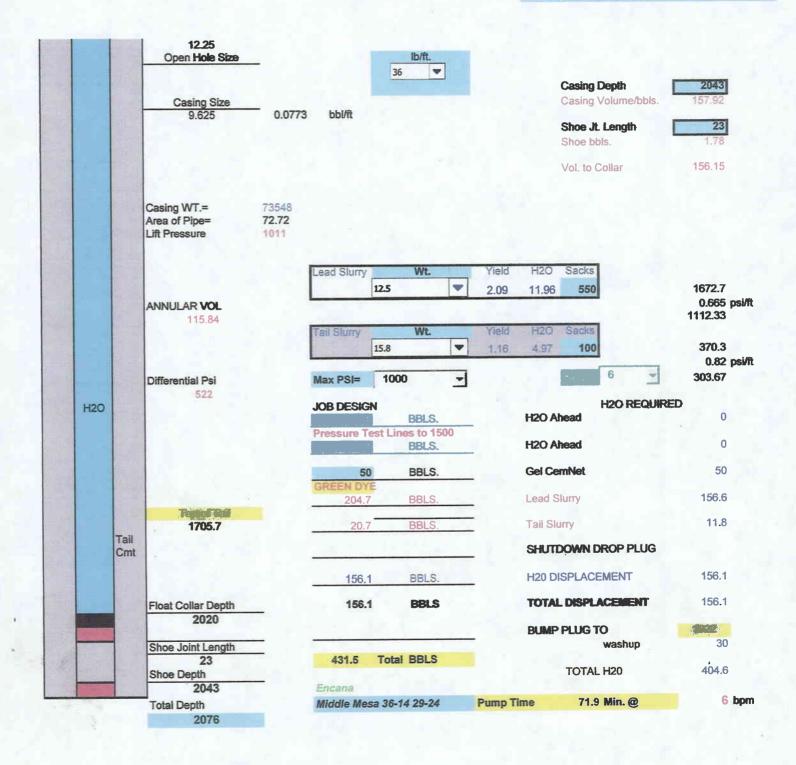
## PUMP SCHEDULE

November 22, 2005

MIX RATE 6				STAG	E BBLS	TOTAL BBLS	
H2O Ahead				(	BBLS	0.0 BBLS	
Pressure Test L	Ines to 1500						
H2O Ahead					BBLS	0.0 BBLS	
Gel CemNet				5	BBLS	50.0 BBLS	
GREEN DYE					FRONT 68 bbls 7924		
Lead Slurry		12.5	550	SKS 204.7	REAR 68 bbls 7924	254.7 BBLS	
MIX H20	4.61	156.6	5 BBLS		FRONT 68 bbls 8187		
Tail Slurry		15.8	100	SKS 20.	REAR 8187	275.4 BBLS	
MIX H20	3.50	11.8	3 BBLS				
SHUTDOWN DE	ROP PLUG				TOTAL		
DISPLACEMEN	T FRESH WAT	ER			156.1		
LAST 20 BBL L				LAST 10 BBLS LO	WER RATE TO .5 BPN		
BUMP PLUG			1022	PSI			
Lift Pressure			1011	PSI			
						Encana	
RATE 6			MAX PF	RESSURE 1000	PSI	Middle Mesa 36-14 2	)-24
	DO	NOT SPIL	IANV	THING ON "	THE GROUND		

#### 9 5/8"SURFACE

#### This color needs checked or changed



#### CEMENT JOB REPORT



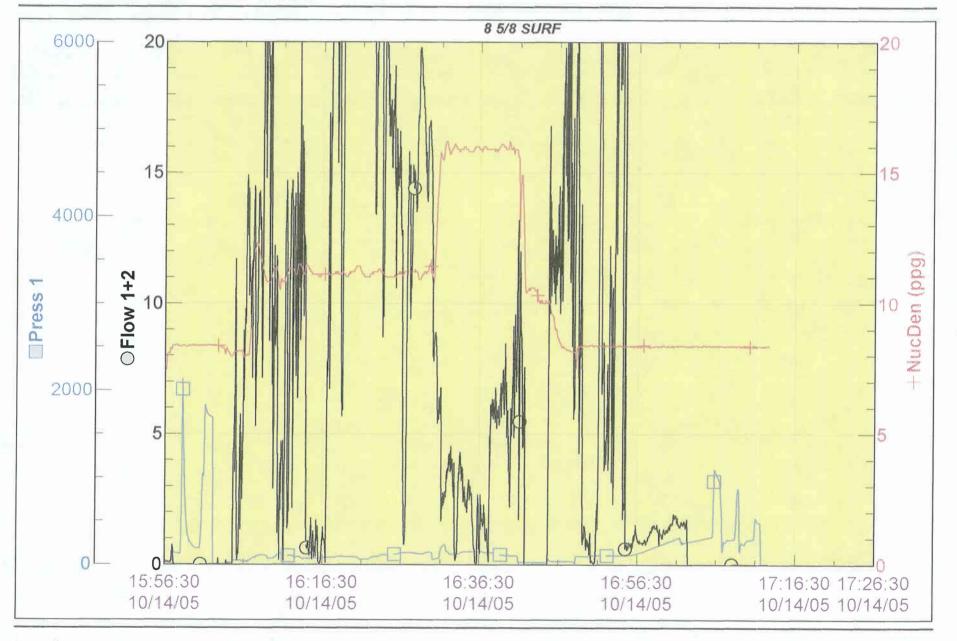
CUSTOMER														
	Cochrane	Res	sources,Inc.		DATE 13-0	OCT-05	F.R	R.# 1001	189577	SI	ERV. SUPV.	JACK T	MEYER	
LEASE & WE					LOCATION					Cı	OUNTY-PARIS	SH-BLOC	K	
	Divide #1 -	API 4	43019314130	000	Sec. 4,T1	6S,R24	<u>E</u>				Grand Utah			
DISTRICT Vernal				,	DRILLING C	ONTRA	CTOR	RIG#		TY	PE OF JOB			
	& TYPE OI	PLI	JGS	LIST-	CSG-HARDW	ARE			P	HYSICAL SI	Surface URRY PROP	ERTIES		
Cement Plu	(			Float Collar,			1	SACKS	SLURRY	SLURRY	WATER	PUMP	Bbi	Bbl
	<u> </u>			Guide Shoe,				OF	WGT	YLD	GPS	TIME	SLURRY	MIX
		14	ATERIAL C.E.	L		se, s-o		CEMENT	PPG	FT <sup>3</sup>		HR:MIN		WATER
		IVI	ATERIALS F	URNISHED BY										
Fresh water									8.34				10	
Premium Li			····					191	11	3.20	19.58		108.78	89.05
G Neat + 29	%CaCl							190	15.8	1.16	5.01		39.41	22.65
Fresh water	·								8.34				102.6	
Available Mi	x Water	40	0Bbl.	Available Dis	spl. Fluid	277	Bbl.				TOTA	AL.	260.79	111.70
	HOLE			1	T	TBG	-CSG-E	D.P.				<del>,</del>	RDEPTHS	
SIZE	% EXCE	SS	DEPTH	SIZE	WGT.		TYPE		PTH	GRADE	SHOE		LOAT	STAGE
12.25			2035	9.62	5	40 CS	3		1347 H-₄	40	134		1304	
	LAST CAS	NG	4	PKR	-CMT RET-B	R PL-LI	NER	PE	RF. DEPTH	то	P CONN	V	NELL FLUID	
SIZE WO	ST TY	PE	DEPTI		AND & TYPE		DE	PTH TOP		SIZE	THREAD	TYPE		WGT.
				No Packer				0	q	9.62	₹ 8RD \	NATER	BASED ML	8.34
DISPL. VO	LUME	4	DISI	PL. FLUID	CAL. P	SI CA	L. MA)	( PSI OP. I	MAX M	AX TBG PSI	W	AX CSG P	'SI	MIX
VOLUME	UOM		TYPE	WGT	BUMP PL	_UG	TO RE	v. sq. i	PSI RATI	ED Opera	tor RATE	D O	perator	WATER
102.6	BBLS	Fres	h water	8.	.34 8	312		0	0	0	0 22	270	1816 Ri	3
EXPLANATIO	N. There				•									
	M. IKCHIK	FS	ETTING TO	N BUNNING	CSG ETC DE	DIOP TO	CEME	ENTING: N	1					
	M: IKOUB	LE S	ETTING TO	DL, RUNNING	CSG, ETC. PI	RIOR TO	CEME	ENTING: N	'A					
	N: IKOUB			OL, RUNNING (		RIOR TO	CEME	ENTING: N	/A		EXPLANATIO	iN .		
TIME						RIOR TO	· · ·							
		SUR	PRESSURE/	RATE DETAIL			JID		MEETING: B.					
TIME	PRES	SUR	PRESSURE/	RATE DETAIL	Bbl. FLUID	FLU	JID	SAFETY N	MEETING: B.	J CREW X 2100 PSI	CO. REP.			
TIME	PRES	SUR	PRESSURE/	RATE DETAIL	Bbl. FLUID	FLU	JID	SAFETY N	MEETING: B. ES TING WELL -	J CREW X 2100 PSI	CO. REP.			
TIME HR:MIN.	PRES	SUR	PRESSURE/	RATE DETAIL	Bbl. FLUID	FLU	JID	SAFETY N TEST LINE CIRCULAT	MEETING: B. ES TING WELL - eting	J CREW X 2100 PSI	CO. REP.			
TIME HR:MIN.	PRES PIPE	SUR	PRESSURE/ EE - PSI ANNULUS	RATE DETAIL	Bbl. FLUID	FLU	JID	SAFETY N TEST LINE CIRCULAT Saftey Mee	MEETING: B. ES TING WELL - eting	J CREW X 2100 PSI	CO. REP.			
TIME HR:MIN. 15:43 16:00	PRES PIPE	SSUR 00	PRESSURE/ EE - PSI ANNULUS 0	RATE DETAIL RATE BPM	Bbi, FLUID PUMPED	FLU	JID PE	SAFETY N TEST LINE CIRCULAT Saftey Mee	AEETING: B. ES TING WELL - eting est	J CREW X 2100 PSI	CO. REP.			
TIME HR:MIN. 15:43 16:00 16:09	PRES PIPE	00 24	PRESSURE/ IE - PSI ANNULUS 0 0	RATE DETAIL RATE BPM 2.3	Bbl. FLUID PUMPED	FLL	JID PE	SAFETY IN TEST LINE CIRCULAT Saftey Med PressureT Start H2O	AEETING: B. ES TING WELL - eting est Slurry	J CREW X 2100 PSI	CO. REP.			
TIME HR:MIN. 15:43 16:00 16:09 16:11	PRES PIPE	00 24 32	PRESSURE/ EE - PSI ANNULUS 0 0	RATE DETAIL RATE BPM  2.3 4.4	Bbl. FLUID PUMPED	FLL	JID PE	SAFETY IN TEST LINE CIRCULAT Saftey Mee PressureT Start H2O Start Lead	AEETING: B. ES TING WELL - eting est Slurry	J CREW X 2100 PSI	CO. REP.			
TIME HR:MIN. 15:43 16:00 16:09 16:11 16:29	PRES PIPE  210 211 211 211 211 211 211 211 211 21	00 24 32	PRESSURE/ EE - PSI ANNULUS  0 0 0 0	RATE DETAIL RATE BPM  2.3 4.4	Bbl. FLUID PUMPED	FLU	JID PE	SAFETY IN TEST LINE CIRCULAT Saftey Mee PressureT Start H2O Start Lead Start Tail S	AFETING: B. ES TING WELL - eting est Slurry Slurry	J CREW X 2100 PSI	CO. REP.			
TIME HR:MIN.  15:43 16:00 16:09 16:11 16:29 16:42 16:45 17:02	210 210 210 210	000   24   32   45	PRESSURE/ EE - PSI ANNULUS 0 0 0 0	RATE DETAIL RATE BPM  2.3 4.4 4	10 108.8 39.4	FLL	JID PE	SAFETY IN TEST LINE CIRCULAT Saftey Mee PressureT Start H2O Start Lead Start Tail S	AFETING: B. ES TING WELL - eting est Slurry Slurry acement	J CREW X 2100 PSI	CO. REP.			
TIME HR:MIN.  15:43 16:00 16:09 16:11 16:29 16:42 16:45 17:02 17:05	210 210 210 210	32 45 32 32	PRESSURE/ PE - PSI ANNULUS  0 0 0 0 0 0 0 0	2.3 4.4 4	10 108.8 39.4	FLL	JID PE	SAFETY IN TEST LINE CIRCULAT Saftey Med PressureT Start H2O Start Lead Start Tail S Drop Plug Start Displements	AEETING: B. ES TING WELL - eting est Slurry Slurry acement	J CREW X 2100 PSI	CO. REP.			
TIME HR:MIN.  15:43 16:00 16:09 16:11 16:29 16:42 16:45 17:02	210 210 210 210 210 210 210 210 210	32 45 32	PRESSURE/ PRESSURE/ PRESSURE/ ANNULUS  0 0 0 0 0 0 0 0 0 0	2.3 4.4 4	10 108.8 39.4	FLL	JID PE	SAFETY N TEST LINE CIRCULAT Saftey Mee PressureT Start H2O Start Lead Start Tail S Drop Plug Start Displ Slow Rate Bump Plug	AEETING: B. ES TING WELL - eting est Slurry Slurry acement	J CREW X 2100 PSI RIG X	BJ			
TIME HR:MIN. 15:43 16:00 16:09 16:11 16:29 16:42 16:45 17:02 17:05 17:06	PRES PIPE  210 210 210 210 210 210 210 210 210 21	00   00   00   00   00   00   00   00	PRESSURE/ PRESSURE/ PRESSURE/ ANNULUS  0 0 0 0 0 0 TEST	2.3 4.4 4	10 108.8 39.4	FLU	JID PE	SAFETY N TEST LINE CIRCULAT Saftey Mee PressureT Start H2O Start Lead Start Tail S Drop Plug Start Displ Slow Rate Bump Plug	AEETING: B. ES TING WELL - eting est Slurry Slurry acement	J CREW X 2100 PSI RIG X	CO. REP.	X		
TIME HR:MIN.  15:43 16:00 16:09 16:11 16:29 16:42 16:45 17:02 17:05 17:06  BUMPED	210 210 210 210 210 210 210 210 210 210	00   00   00   00   00   00   00   00	PRESSURE/ PE - PSI ANNULUS  0 0 0 0 0 0 0 TEST FLOAT	RATE DETAIL RATE BPM  2.3 4.4 4 6.4 2.7  BBL.CMT RETURNS/	10 108.8 39.4 147 10	FLU TYI	JID PE	SAFETY N TEST LINE CIRCULAT Saftey Mee PressureT Start H2O Start Lead Start Tail S Drop Plug Start Displ Slow Rate Bump Plug Check Floa SPOT TOP OUT	AFETING: B. ES TING WELL - eting est Slurry Slurry acement g at didn't hold SERVICE	J CREW X 2100 PSI RIG X	BJ	X		
TIME HR:MIN. 15:43 16:00 16:09 16:11 16:29 16:42 16:45 17:02 17:05 17:06	PRES PIPE  210 210 210 210 210 210 210 210 210 21	00   00   00   00   00   00   00   00	PRESSURE/ PRESSURE/ PRESSURE/ ANNULUS  0 0 0 0 0 0 TEST	2.3 4.4 4 6.4 2.7	10 108.8 39.4 147 10	FLU TYI	JID PE	SAFETY IN TEST LINE CIRCULAT Saftey Mee PressureT Start H2O Start Lead Start Tail S Drop Plug Start Displ Slow Rate Bump Plug Check Flox SPOT	AFETING: B. ES ES ENING WELL - eting est Slurry Slurry accement  SERVIC	J CREW X 2100 PSI RIG X	CO. REP.	X		



BJ Services JobMaster Program Version 3.00

Job Number: 1001189577

Customer: Cochrane Resources Inc. Well Name: Cochrane Divide #1



## Load Sheet



DISTRICT Vernal	WELL NAME Cochrane Divide #1	
DISPATCH SHEET NO.		
CUSTOMER Cochrane Resources, Inc.		JOB DATE OCT-14-2005
BRANCH BULK PLANT Vernal	FIELD RECEIPT NO. 1001189577	FIELD RECEIPT DATE OCT-13-2005

BRANCH BULK PLANT Vernal	FIELD R	ECEIPT NO. 10	001189577	FIELD	RECEIPT DA	TEOCT-13-2	2005
				QUANTITY			VERIFIED
PRODUCT DESCRIPTION	ITEM NO.	UOM	ORDERED	LOADED/	RETURNED	NET USAGE	TO FIELD RECEIPT
Class G Cement	100021	sacks	190			390	
Calcium Chloride	100112	lbs	358		0	357	
Bentonite	100120	lbs	1,662			1,680	
Sodium Metasilicate	100275	lbs	167		0	17	
Cello Flake	100295	lbs	48	48	0	48	
Cement Plug, Rubber, Top 9-5/8 in	121116	ea	1	1		1	
Premium Lite II Cement	398260	sack	191	192		192	
Kol Seal	499634	Ibs	573	573	0	573	
				-			
COMMENTS:							
		-					

SUED BY	Richard Offutt	DATE OCT-13-2005
ECEIVED TO LOCATION	Jack T Meyer	DATE OCT-13-2005
	SERVICE SUPERVISOR	•
ETURNS VERIFIED BY		DATE
PPROVAL	Kirt Pummell	
	OPERATIONS SUPERVISOR	
JSTOMER SIGNATURE		

Report Printed on: October 14, 2005 6:05

#### Five CENTRILIZERS Bowspring

DATE: 11-22-05 3520 Burst , 2020 Collapse, 394 Tension HANGER DEPTH: 0 IPSCO .

MUD WT (PPG): 8.4

R3 LTC

BUOY/FACT:

0.8717

CASIN 9.625

HOLE SIZE:

12.25

CASIN\_\_\_

BLOCK WT:

CSG V\_ 36 LNDG STRING WT 84,000

_			<del></del>					
	JNT			CENTRALIZER COMMENTS	D TD AFTE		BOUYED	
RIH	NON	JT LENGTH	CC.LENGT	COMMENTS	SG LANDE	EIGHT (IL	OOK WT (lb	(BBLS)
	<u> </u>				2043.00			
_	FS		0.00	HES Composit Shoe	2043.00	15000	15000	0.0
2	1	23.30	23.30	Cent @ 20' up first jt.	2019.70	15839	15731	0.3
	FC	1.00	24.30	HES Super Seal 2	2018.70	15875	15763	0.3
4	2	44.04	68.34	Cent	1974.66	17460	17145	0.9
5	3	43.80	112.14		1930.86	19037	18519	1.5
6	4	44.26	156.40	Cent	1886.60	20630	19908	2.0
7	5	44.28	200.68		1842.32	22224	21298	2.6
8	6	44.04	244.72	Cent	1798.28	23810	22680	3.2
9	7	43.22	287.94		1755.06	25366	24036	3.8
10	8	44.11	332.05	Cent	1710.95	26954	25420	4.3
11	9	43.89	375.94		1667.06	28534	26797	4.9
12	10	42.90	418.84		1624.16	30078	28144	5.5
13	11	43.27	462.11		1580.89	31636	29502	6.1
14	12	43.97	506.08		1536.92	33219	30881	6.6
15	13	44.18	550.26		1492.74	34809	32268	7.2
16	14	<b>44</b> .15	594.41		1448.59	36399	33653	7.8
17	15	44.02	638.43		1404.57	37983	35035	8.4
18	16	44.05	682.48		1360.52	39569	36417	8.9
19	17	43.11	725.59		1317.41	41121	37770	9.5
20	18	44.26	769.85		1273.15	42715	39159	10.1
21	19	44.25	814.10		1228.90	44308	40547	10.7
22	20	44.18	858.28		1184.72	45898	41934	11.2
23	21	43.95	902.23		1140.77	47480	43313	11.8
24	22	43.84	946.07		1096.93	49059	44689	12.4
25	23	44.25	990.32		1052.68	50652	46077	13.0
26	24	43.75	1034.07		1008.93	52227	47450	13.5
27	25	44.16	1078.23		964.77	53816	48836	14.1
28	26	44.19	1122.42		920.58	55407	50223	14.7
29	27	41.90	1164.32		878.68	56916	51538	15.3
30	28	44.05	1208.37		834.63	58501	52920	15.8
31	29	44.23	1252.60		790.40	60094	54308	16.4
32	30	44.17	1296.77		746.23	61684	55694	17.0
33	31	44.00	1340.77		702.23	63268	57075	17.6
34	32	44.30	1385.07		657.93	64863	58465	18.1
35	33	43.84	1428.91		614.09	66441	59841	18.7
36	34	43.91	1472.82		570.18	68022	61219	19.3
37	35	44.18	1517.00		526.00	69612	62605	19.9
38	36	44.06	1561.06		481.94	71198	63988	20.4
39	37	44.13	1605.19		437.81	72787	65373	21.0

فالكاف والمستجود والمستجود والمستجود والمستجود	3.J. SERV			and the same of th	CEMI	ENT							
District VERNA	L, UTAH	Disp. i		8766			1	مخسسمه				NE HAN	
Field receipt #1 100		A. P. I										91759C	) ,
Order Taken By,	JER. ME	YER	Time			Date	10/	13/05			P.O. #	والأفال والمعاول المتواولية	
Order Placed By,				ì <del>8</del>								REQ	
Customer CO	السروب والمستوا			المستراب أواسم ممير		-			CHRA				
Job Instructions	SURFAC	<u>}E</u>	Per	Rec. #	100	1917	59C		Date v		الباران بالمراجع والمراجع	10/13/0	)
				0 D 4 1 1 D	201				On Lo			WIA	
TOD 0	ONNECTION	10		GRAND	COL				R. T. S			W/C	******
SIZE	TYPE	THREA		SIZE		THE R. P. LEWIS CO., LANSING	OP				BER	WOOD	PLA:
5 1/2"				5 1/2"									
HOLE		CASING			ING/D				CPC	ľΥ.	PER	F DEPTH	%EX
SIZE DEPTH	SIZE	WEIGHT	DEPTH	SIZE	WE	IGHT	DE	PTH					1
			<u> </u>	CARACITY	<u> </u>	····	<u></u>			DACY			<u></u>
	CEMENT FL T. NEEDED			CAPACITY		T	/PE	MA		PACK	DEPTH	i CP.	BL.,PC
	The state of the last of the l												
CEMEN	IT SLURRIE	S, MATERIA	LS NEEDE	D		WE	IGHT	YIE	LD	MIX	H20	P.TIME	VOLL
1 191 SK	S PREM L	T II+.25#	SK C-FL/	AKE+3#S	K	1 11	.00	3	.20	19	.58	4:30	10
KOL SEAL+10%	GEL+1%S	.M.											
2 190 SK	S CLASS	G CEMEN	NT + 2% (	CALCIUN		15	.80	1	.16	5	.01	3:30	39
CHLORIDE													
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ON SIDE							بنائد المسرب	<u> </u>	- ,- ,- '	<u> </u>	والمعارب والمراوع		·
200 SK	S CLASS	"G" NEA	T CEMEN	IT.		Į		1			į		
						<u> </u>		<u> </u>					<u> </u>
DIRECTIONS TO		ON:											
WRITTEN MAP I	NSIDE		·										
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MOO MEODA	TION								-				
MISC. INFORMA	HON:	The state of the state of				**************************************						eration - ea	
SERVICE SUP. (S)	IVO TIME	LUNIT #1	UNIT #2	<del></del>	Δt	IXII I	ARYE	OLUP	MENT	ree	HARD	WARE	
JK. MEYER	W/C	9637	V(111 772	GUIDE S				T				WAINE	
			1	FLOAT S					4			<u> </u>	
	<del>                                     </del>	<b></b>	1	FLOAT C					4			IIFOLD	
E. / O.'S	YD. TIME	UNIT#1	UNIT #2						D.F.			The state of the s	
J. GUERRERO	W/C	T993	C984	INSERT				-	1		-	DATE	TIN
J.J. MOMDJIAN	W/C	H087	X149		ROV			FET	YARI	)	<del>                                     </del>		1 '''
	M/C	HAAV	1831		JIPMI				IVED .		<del>                                     </del>		<del> </del>
U. DAYIS	TH///	negue	10.71	1 200	/11 171	-17		<u> </u>	SERVI	وصوفون	<del> </del>		<del> </del>
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	<del></del>	<b></b>	<del>                                     </del>	1					ND		I ZIZI	VEWDING!	J 
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## WIND RIVER RESOURCES

**KELLY CYN.** 5-8-16-22

API Well No.:

1/14/2006 UINTAH

## 9-5/8" **SURFACE**

Customer Representative:
DEMPSEY DAY
Halliburton Operator:
KEN TRIPP JR.

**Ticket No.:** 4155873

HALLIBURTON

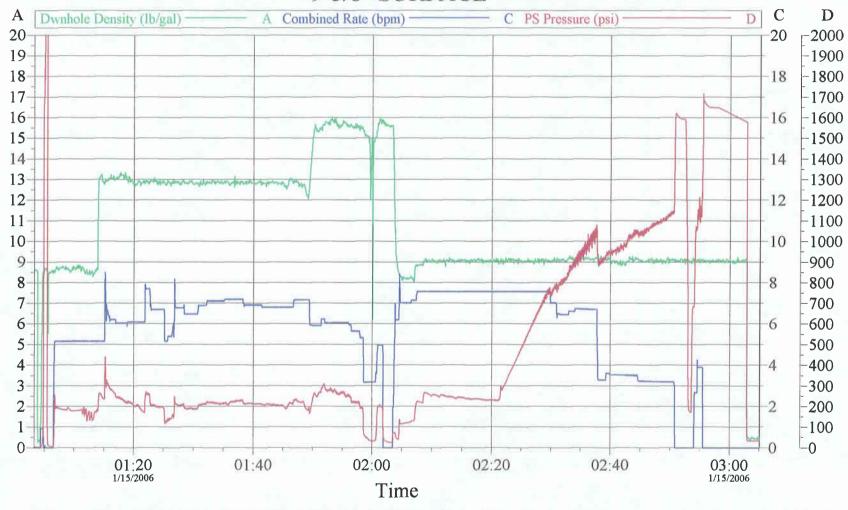
			TICKET#	TICKET DATE	
HALLIB	URT		4155873	1/14/2006	
REGION	•	NWA / COUNTRY	BDA /STATE	COUNTY	
NORTH AMERICA L	AND	Rocky Mountains	UTAH	UINTAH	
MBU ID/EMPL#		H.E.S EMPLOYEE NAME	PSL DEPARTMENT		
189604		KEN TRIPP JR.	Zonal Isolation		
OCATION VERNAL		WIND RIVER RESOURCES	CUSTOMER REP / PHONE DEMPSEY DA		
TICKET AMOUNT		WELL TYPE 02 GAS	API/UWI#		
WELL LOCATION		DEPARTMENT	JOB PURPOSE CODE	Description	
BOOK CLIFFS		CEMENT		9-5/8" SURFACE	
LEASE/WELL# KFLLY CYN	Well No.	SEC/TWP/RNG			

N.		The state of the s			wy ; , , - , , - , - , - , - , - , - ,	190 200 100 100 100 100 100 100 100 100 10
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			Ш			ARRIVE ON LOCATION
						SAFTEY MEETING ON LOCATION
			Ш			START FLOAT EQU.
			Ш			CSG ON BOTTOM RIG CIRCULATE
0045			- -			SAFTEY MEETING WITH RIG CREW
0100					3000	TEST PUMP & LINES
0104	5.0		₩		240	START CEL WELL SIRGUI ATE
0104	5.0	20	${}^{+}$		210	START GEL WELL CIRCULATE
0110	5.0		ff		180	START LEAD CEMENT @12.8# 710-SKS.
		227.6				END
0147	6.0				270	START TAIL CEMENT @15.6# 250-SKS.
		52.9				END
0158						DROP PLUG
0200	6.0		П		50	START FRESH
		20				END
0205	7.0				150	START DISPLACEMENT MUD
2210	7.0	40	П		250	CATCH CEMENT
0232	7.0	202	П		960	CEMENT BACK
0248	3.0				1150	LAND PLUG
		262			1600	END 450 PSI OVER
						BLEED WELL FLOAT DID NOT HOLD
			III			LAND PLUG AGAIN
						SHUT WELL IN
						60BBL CEMENT TO SURFACE
			$\vdash \vdash$			THANKS K TRIPD AND ODERA
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	1930 1935 1900 2300 0045 0100 0104 0110 0147 0158 0200 0205 2210 0232	1930 1935 1900 2300 0045 0100 0104 5.0 0110 5.0 0147 6.0 0158 0200 6.0 0205 7.0 2210 7.0 0232 7.0	1930 1935 1900 2300 0045 0100 0104 5.0 20 0110 5.0 227.6 0147 6.0 52.9 0158 0200 6.0 20 0205 7.0 2025 7.0 2022 0248 3.0	1930	1930	1930       1935         1900       2300         0045       3000         0100       3000         0104       5.0       210         0110       5.0       180         0147       6.0       270         0158       0200       50         0205       7.0       150         2210       7.0       40       250         0232       7.0       202       960         0248       3.0       1150

HAL	LIB	UR			JOB	LOG.		55873	1/14/2006			
REGION NORTH AN	MERICA I	LAND		OUNTRY <b>ky Mo</b>	untains			STATE AH	COUNTY			
BU ID / EMPL #			H.E.S E	MPLOYEE N	IAME			EPARTMENT nal Isolati	An			
OCATION			COMPA	NY		OUDOE	CUST	OMER REP / PHON	E			
/ERNAL			WELL T	/PE	ER KES	OURCES	S DE	MPSEY D	AY			
ELL LOCATION			02 C		******		IOR G	URPOSE CODE	Description			
BOOK CLI	FFS		CEN	MENT			30B P	OKFOSE CODE	9-5/8" SURFACE			
EASE /WELL# <b>(ELLY CY</b>	N.	Well No.	SEC/T	WP / RNG								
Chart	Time		Volume	Pmps	Pres	s.(PSI)		Job Des	cription / Remarks			
No.		(BPM)	(BBL)(GAL)	TC	Tbg	Cag						
1/14/2006	1930			++			ARRIVE ON	LOCATION				
	1935	. , <del>, ,,, ,</del>		+		<del> </del>	<del></del>		LOCATION			
	1900						START FLOAT EQU.					
	2300						CSG ON BOTTOM RIG CIRCULATE					
	0045				ļ		SAFTEY ME	ETING WIT	TH RIG CREW			
4 /4 E /0000	0400				<b>.</b>	-						
1/15/2006	0100			+	<del> </del>	3000	TEST PUMP	& LINES				
	0104	5.0		++	<u> </u>	210	START GEL	WELL CIP	CUI ATE			
	0.04		20	<del>                                     </del>	<u> </u>	1 2.0	END	WELL OIL	COLAIL			
	0110	5.0				180		D CEMENT	@12.8# 710-SKS.			
			227.6				END					
	0147	6.0				270		CEMENT (	@15.6# 250-SKS.			
			52.9	4-4-	ļ	ļ	END					
	0158			┼-┼-	<u> </u>		DROP PLUC					
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	0205	7.0	20	++	<b>†</b>	150	START DISF	LACEMEN	T MUD			
****	2210	7.0	40	1		250	CATCH CEN					
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## WIND RIVER RESOURCES

9-5/8" SURFACE



Customer:	WIND RIVER
Well Desc:	5-8-16-22

Job Date: 1-14-05 Job Type: 9-5/8" Ticket #: 4155873

CemWin v1.7.0 15-Jan-06 03:43

## **CEMENT JOB SUMMARY SHEET**

Job Type	9-5/8" SURFACE										
				Measured							
_	Size	Weight	Grade	Depth							
Casing	9-58"	36#		3694'							
Drill Pipe											
Tubing Hole Size	40 4/40										
Mud Weight	12-1/4"	9.3#									
mad Weight		3.3#									
		CEM	ENT DATA								
Spacer	GEL Bbis 2	0BBL									
Cement 1	HLC				710	Sacks					
Additives	1%CACL2,.25	#/SK.FLOCEI	LE								
	Weight (lb/gal)	12.80	Yield (cuft/sk	) 1.80	Water (gal/sk)	9.60					
Cement 2	TYPE "V"				250	Sacks					
Additives	1%CACL2,.25	#/SK.FLOCEI	LE		_**						
	Weight (lb/gal)	15.60	Yield (cuft/sk	) 1.19	Water (gal/sk)	5.23					
Cement 3 Additives						Sacks					

Displacement		(lb/gal)				
		CEMENTING EQUIPMENT				
Provider	HES					
Guide Shoe		1 ea.	Centralizers	8 ea.		
Float Shoe		ea.	Plug Type	1 ea.		
Float Collar		1 ea.	Packer	ft.		
DV Tool		ft.	Retainer	ft.		

Yield (cuft/sk)

Water (gal/sk)

Weight (lb/gal)

CONFIDENTIAL

STATE OF UTAH		FORM 9		
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: ST-UT-37067			
SUNDRY NOTICES AND REPORTS ON V	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-r drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such		7. UNIT OF CA AGREEMENT NAME: N/A		
1. TYPE OF WELL OIL WELL GAS WELL OTHER Dry Hole		8. WELL NAME and NUMBER: Big Indian 36-42		
2. NAME OF OPERATOR: EnCana Oil & Gas (USA) Inc.		9. API NUMBER: 4303731827		
3. ADDRESS OF OPERATOR:	PHONE NUMBER:	10. FIELD AND POOL, OR WLDCAT:		
370 17th Street Denver STATE CO ZIP 80202 4. LOCATION OF WELL	(720) 876-5339	Big Indian		
FOOTAGES AT SURFACE: 553' FSL, 1813' FWL		COUNTY: San Juan		
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 36 29S 24E S		STATE: UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATU	URE OF NOTICE, REPOR	RT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION			
NOTICE OF INTENT	EPEN	REPERFORATE CURRENT FORMATION		
	ACTURE TREAT	SIDETRACK TO REPAIR WELL		
	WCONSTRUCTION	TEMPORARILY ABANDON		
	PERATOR CHANGE	TUBING REPAIR		
	UG AND ABANDON	VENT OR FLARE		
(Submit Original Form Only)	UG BACK	WATER DISPOSAL		
Date of work completion:	ODUCTION (START/RESUME)	WATER SHUT-OFF		
	CLAMATION OF WELL SITE	OTHER:		
	COMPLETE - DIFFERENT FORMATION			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent de EnCana Oil & Gas (USA) Inc. plans to plug and abandon the subjectivision of Oil, Gas and Mining's requirements.  Please find attached the Plug & Abandon Procedure and a wellbor	ect well upon approval and	reclaim the well site per the		
		and the second of the second o		
·	COFF SENT TO OPERATE Date: 3-8-5-6	DR.		
NAME (PLEASE PRINT)  Jevin Croteau	Regulatory Analy	st		
SIGNATURE	DATE 3/1/06			
(This space for State use only)	<del></del>	BECEIVED		

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(5/2000)

+ See conditions of Approval (Attached)

DIV. OF OIL, GAS & MINING



EnCana Oil & Gas (USA) Inc.

## **Big Indian 36-42-29-24**

SE SW Sec 36, T29S, R24E 533' FSL & 1813' FWL (surface) Middle Mesa San Juan County, Utah

> P&A Procedure February 8, 2006

#### **EnCana Oil & Gas P&A Procedure** Big Indian 36-42-29-24

Prepared by:

Kelvin Edsall

Office:

720-876-3564

Cell:

303-909-1046

**Cost Center:** AFE Number:

866262 4831590

API Number:

43-037-31827

**EnCana Working Interest:** 

100.000%

EnCana Net Revenue Interest:

87.500%

Spud Date:

4/23/05

Rig Release Date:

5/9/05

KB to GL:

16'

GL elevation:

7097

TD:

6,131'

PBTD:

FC @ 6,049.7'

Surface Casing:

9-5/8" 36# J-55 LTC, set @ 2,247.0'

Cmt'd w/ 610 sx 12.5# Type Poz f/b 97 sx 15.8# Type G w/ 1/4 pps

celloflakes and 1/2 pps Cemnet (12-1/4" hole)

Cement to surface

**Production Casing:** 

5-1/2" 17# P-110 LTC, set @ 6,099.5'

Cmt'd w/ 996 sx 13# 50/50 Poz (8-3/4" hole)

Cement top 2100' - inside surface casing (CBL 5/16/2006)

Casing properties:

ID:

4.892"

Drift ID:

4.767"

Collapse:

7460 psi

Burst:

10,640 psi

Joint Yield Strength:

445,000 lbs

Capacity:

0.0232 bbls/ft

Tubing:

2-3/8" 4.7# N-80 EUE 8rd

Joint Yield Strength:

ID:

1.995"

Drift ID:

1.901"

Collapse:

11,780 psi 104,300 lbs Burst:

11,200 psi

**Formation Tops:** 

(Depths are MD)

Cutler @ 3151'; Honaker Trail @ 3707'; Hovenweep @ 5334'

Capacity:

0.00387 bbls/ft

Ismay @ 5383'; Desert Creek @ 5744'; Paradox Salt @ 6066'

#### **EnCana Oil & Gas P&A Procedure** Big Indian 36-42-29-24

#### **P&A Procedure**

#### **P&A Procedure**

- 1. MIRU pulling unit. Blow well down.
- 2. POOH with tubing.
- 3. PU CIBP and set @ 3575'.
- 4. Spot 10 sack cement plug on CIBP.
- 5. Circulate hole full of 9.0 # mud (Approx. 80 bbls.)6. Spot balanced cement plug from 2180' to 2300'.
- 7. Spot 50' cement plug at surface.
- 8. RU on surface casing annulus and test to 300 psi. If it does not test, fill annulus with cement.
- 9. Cut off casing 5' below ground level, cap, and install dry hole marker ( subsurface marker preferred ), cut off anchors 5' below ground level.
- 10. Reclaim location to Agency/Landowner specifications.

#### **Cement Detail:**

50/50 pozmix cement

slurry volume: 1.26 ft.3 per sack Slurry weight: 14.15 lb. per gal.

Compressive strength: 815 psi in 24 hrs, 1460 psi in 72 hrs.

## WELLBORE DIAGRAM (After P&A)

Surface Loc: 533' FSL, 1813' FWL

Operator: EnCana Oil & Gas (USA) Inc.

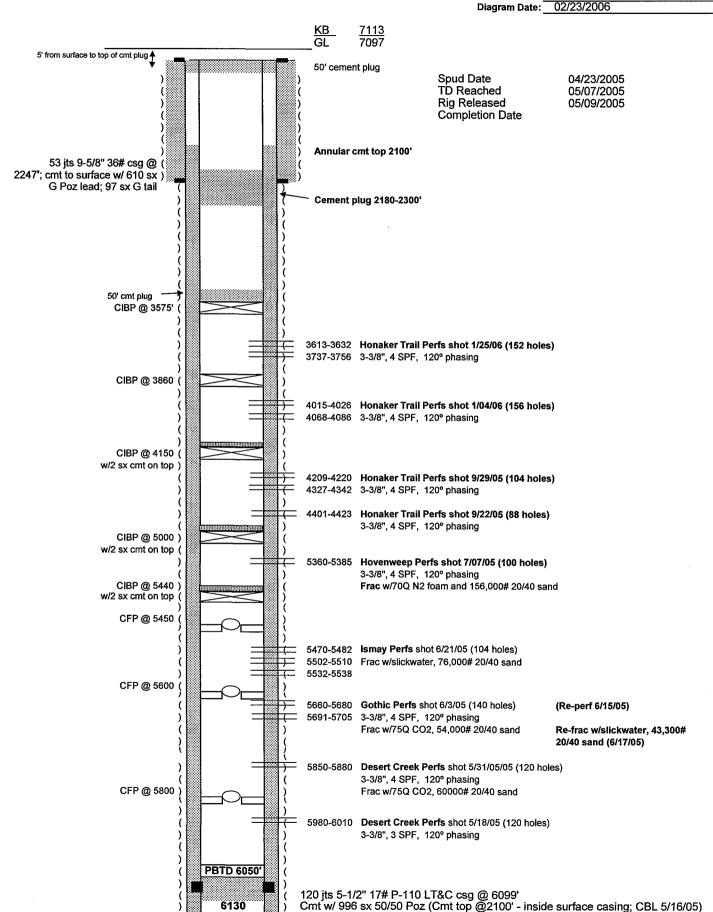
Name: Big Indian 36-42-29-24

SESW Sec 31-T30S-R26E

Field: Middle Mesa

County: San Juan County, Utah

API Number: 43-037-31827





#### State of Utah

#### Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA Division Director JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor

#### CONDITIONS OF APPROVAL TO PLUG AND ABANDON WELL

Well Name and Number: Big Indian 36-42

API Number:

43-037-31827

Operator:

Encana Oil & Gas (USA) Inc.

Reference Document:

Original Sundry Notice dated March 1, 2006,

received by DOGM on March 2, 2006

#### **Approval Conditions:**

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.
- 2. All balanced plugs shall be tagged to ensure that they are at the depths specified in the procedure.
- 3. All annuli shall be cemented from a minimum depth of 50' (±11sx) to the surface.
- 4. Surface reclamation shall be done in accordance with R649-3-34 Well Site Restoration. Evidence of compliance with this rule should be supplied to the Division upon completion of reclamation.
- 5. Form 8 Well Completion or Recompletion Report and Log shall be submitted to the Division upon completion of work.
- 6. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.
- 7. If there are any changes to the plugging procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (Office) or 801-733-0983 (Home) prior to continuing with the procedure.
- 8. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

Dustin K. Doucet

Petroleum Engineer

March 6, 2006

Date

3/3	0/2000		V	Vellbore Diag	gram				r263
	API We	Il No: 43-037-31827-0	00-00 Permit No	0:	Well Nam	e/No: BIG	INDIAN 36-	42	
	Compar	y Name: ENCANA					<del>-</del>		
	-	n: Sec: 36 T: 29S R:	, ,	String Info	rmation				
		nates: X: 654976 Y: 4	-	String Into	Bottom	Diameter	Weight	Length	Capacity
				String	(ft sub)	(inches)	(lb/ft)	(ft)	Capicity (Pct)
		ame: UNDESIGNATI	ED	HOL1	2247	12.25		` '	(/01)
	County	Name: SAN JUAN		SURF	2247	9.625	36	2247	
		0	ç	HOL2	6131	8.75			
		Pry	3	PROD	6100	5.5	17	6100	7.661
what Z	51	Propose	e 50°	CIBP	3860	5.5			
1911. E		1 m s la === 1/	10 12 (4) 5	CIBP	4150	5.5			
what Z glid. shop		145186 20 /	(, 26)(table) - 0-	CIBP	5000	5.5			
24-8		Outside Solli	3 e 50' 1.26)(7.661) = 65 .24)(3.716) = 11 :	CIBP	5440	5.5			
	#		117	DX MIN PKR	5450	5.5			
				regd PKR	5600	5.5			
				PKR	5800	5.5			
				978" X51	2				\ <u></u>
			_						3.716
			D(US 2 120 PL	Cement Inf	ormation				
		Ţ			BOC	TOC	Class	Caralina	
		Cement from 2247 ft.	201/(1.26)(7.661) 2 to surface	PROD	<b>(ft sub)</b> 6100	(ft sub) 2100	Class	Sacks	
		Surface: 9.625 in. @ 2		SURF	2247	0	PC PC	996	
		2180 Hole: 12.25 in. @ 224	2247 K.	SURF	2247	0	G	610 97	
/5	~ 🗙	Hole. 12.23 III. @ 224	77 IL.	JORI	2247	V	•	91	
9 E		2300' -3151 (utl -3707' Honal							
·		-2151 (utl	RV Play	(5.4	tic Sur	sol-Inee	dstabe 10	מיווות סס	um(losadd
		3.2	Propose 16	SK Plug (Sche.					
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196C3	575' 🗩			(ft sub)	Bottom	Shts	Et No Sh	ts Dt Sand	2070
		-3707 Honal	Ker Trail	(1 <b>t sub)</b> 5850	(11 Sub) 6010	011(3/	1.6 110 21	ts Disque	CEZE
CIBPC	'38 <sub>60</sub> 🗴	- ' '		5660	5705				
				5470	5538				
				5360	5385				
C1BP@1 ~/25X	4150 🛎			3613	4423				
125x/ند	. ! !								
				Formation	Informatio	n			
CIBACOS 2125X	500) <del>S</del>			Formation					
125x		-5334 Hovenn	cee P	CUTG	3151				
1800	,	-5383' Isma	*	HNKRT	3707				
FIBPOS	440'		7	HOVNWE	5334				
CFPE		Cement from 6100 ft. to	2100 ft.	ISMY DSCR	5383 5744				
ي ۲۰۰۰	> 400	Cement from 6100 ft. to 5744 Descrit Packer: 5.5 in. @ 5800 f	it.	PRDX	6066				
		Production: 5.5 in. @ 61	100 ft.						
	$\nabla \nabla$	60661 Paradox		Cap	of 2x				
		Hole: 8.75 in. @ 6131 ft	ì.	(2.)	(	64)==20	t		
			<del></del>	(254)	(1,26)(1	661) 20			
	TD:	TVD;	PBTD:						
	ID.	1 VD;	I DID.						

FORM 9	STATE OF UTAH DIVISION OF OIL, GAS AND MINING					5. Lease Designation and Serial No. ST-UT-37067			
SUNDRY NOTICES AND REPORTS ON WELLS						6. If Indian, Allotte or Tribe Name			
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.						NA NA			
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.					7. Unit Ag	greement Name			
					8. Well N	NA ame and Number			
1. Type of Well  ☐ Oil Well  ☐ Other					a. Well IN	Big Indian 36-42			
	011 17011	weii 🗀	Contact:		9. API We				
2. Name of Opera		A) Inc	Phone:		). All "	43-037-31827			
3. Address and Te	ana Oil & Gas (US	A) Inc.	Filone.	<del></del>	10. Field a	nd Pool, or Exploratory Area			
	Seventeenth Street	Suite 1700.	Denver, CO 8	0202		Big Indian			
4. Location of We		, Built I . ou,	<u> </u>		. <u> </u>				
Footages:	553' FSL, 1813' l	F <b>W</b> L			County:	San Juan			
OO, Sec T,R,M:	SESW Sec 36-29				State:	Utah			
QQ, Sec 1,R,W.									
11.	CHECK APPROPR	IATE BOX(ES	) TO INDICATE I	NATURE OF NOTIC	E, REPORT, C	R OTHER DATA			
	NOTICE OF				-	NT REPORT			
	(Submit in Du	iplicate)			(Submit Origi	nal Form Only)			
Abandon		New Constru		Abandon*		☐ New Construction ☐ Pull or Alter Casing			
Repair Casing		Pull or Alter	Casing	Repair Casing		Recomplete			
Change Plans		Recomplete		Change Plans		Reperforate			
Convert to Inject		Reperforate  Vent or Flare	•	Convert to Injection		☐ Vent or Flare			
Fracture Treat o		Water Shut-		Fracture freat or A	Acidize	☐ Water Shut-Off			
☐ Multiple Comple☐ Other	tion			☑ Other					
				Re	port of Activity				
Approximate date	work will start			Date of work compl		Lei			
				on WELL COMPLETION C		pletions to different reservoirs  REPORT AND LOG form.			
				* Must be accompanie					
Attach the Bond under following completion of testing has been comp	information on t	ed or provide the Bono coperation results in a les shall be filed only a ur informatio the Big India	n No. on file with the BLM multiple completion or recenter all requirements, inclusion are daily report are daily report n 36-42. Approx	/BIA. Required subsequent repompletion in a new interval, A ding reclamation, have been controlled the controlled through 3/27/Coval has been rece	ports shall be filed with form 3160-4 shall be filed with mpleted, and the operation of the update o	nin 30 days filed once tor has  completion activity			
Name (Printed/T	yped) e Washburn		Title	Operations Eng	ineering Tecl	h			
Signature	- 11 J./a	hi.	Date	03/28/2006					
	AME // MISH	M	<u> </u>		<del> </del>				
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APR 0 3 2006

## REGULATORY COMPLETION SUMMARY



Area: Big Indian API: 4303731827 Well Name: Big Indian 36-42

109

Ops Date: 02/17/2006 Report #: Description **End Time** Well shut in w/ pressure gauges set in 1.81 F-nipple and w/ 900 psi AFE #: 4831590 6:00 PM

@ wellhead. R/U Phoenix SL and pull pressure gauges and left well

Summary: Well shut in w/ pressure gauges set in

1.81 F-nipple and w/ 900 psi @ wellhead. Pull pressure gauges and left well shut in

108

Area: Big Indian API: 4303731827 Well Name: Big Indian 36-42

Ops Date: 02/16/2006 Report #: End Time Description Well shut in w/ pressure gauges set in 1.81 F-nipple and w/ 900 psi AFE #: 4831590 6:00 PM

@ wellhead. Summary: Well shut in w/ pressure gauges set in

1.81 F-nipple and w/ 900 psi @ wellhead

Area: Big Indian API: 4303731827 Well Name: Big Indian 36-42

107 Report #: Ops Date: 02/15/2006 **End Time** Description ell shut in w/ pressure gauges set in 1.81 F-nipple and w/ 900 psi @

AFE #: 4831590 6:00 PM wellhead. Summary: Well shut in w/ pressure gauges set in

1.81 F-nipple and w/ 900 psi @ wellhead

Area: Big Indian API: 4303731827 Well Name: Big Indian 36-42

Report #: 106 Ops Date: 02/14/2006 Description **End Time** Well shut in w/ pressure gauges set in 1.81 F-nipple and w/ 860 psi AFE #: 4831590 6:00 PM

@ wellhead. Summary: Well shut in w/ pressure gauges set in

1.81 F-nipple and w/ 860 psi @ wellhead

Area: Big Indian API: 4303731827 Well Name: Big Indian 36-42

Report #: 105 Ops Date: 02/13/2006 **End Time** Description Well shut in w/ pressure gauges set in 1.81 F-nipple and w/ 830 psi AFE #: 4831590 6:00 PM

@ wellhead. Summary: Well shut in w/ pressure gauges set in

1.81 F-nipple and w/ 830 psi @ wellhead

API: 4303731827 Area: Big Indian Well Name: Big Indian 36-42

Report #: 104 Ops Date: 02/10/2006 **End Time** Description Well shut in w/ pressure gauges set in 1.81 F-nipple and w/ 720 psi AFE #: 4831590 6:00 PM

@ wellhead.

Summary: Well shut in w/ pressure gauges set in 1.81 F-nipple and w/ 720 psi @ wellhead

Area: Big Indian API: 4303731827 Well Name: Big Indian 36-42

103 Ops Date: 02/09/2006 Report #: **End Time** Description Well shut in w/ pressure gauges set in 1.81 F-nipple and w/ 690 psi AFE #: 4831590 6:00 PM

@ wellhead. Summary: Well shut in w/ pressure gauges set in

1.81 F-nipple and w/ 690 psi @ wellhead.

#### REGULATORY COMPLETION SUMMARY

Summary: Well shut in w/ pressure gauges set in

1.81 F-nipple and w/ 520 psi @ wellhead

1.81 F-nipple and w/ 300 psi @ wellhead

1.81 F-nipple and W/ 100 psi @

down and shut well in for build up.

wellhead.



Area: Big Indian API: 4303731827 Well Name: Big Indian 36-42

Ops Date: 02/08/2006 Report #: 102 Description **End Time** 

Well shut in w/ pressure gauges set in 1.81 F-nipple and w/ 630 psi AFE #: 4831590 6:00 PM

@ wellhead. Summary: Well shut in w/ pressure gauges set in

1.81 F-nipple and w/ 630 psi @ wellhead

API: 4303731827 Area: Big Indian Well Name: Big Indian 36-42

101 Ops Date: 02/07/2006 Report #: Description **End Time** 

Well shut in w/ pressure gauges set in 1.81 F-nipple and w/ 620 psi AFE #: 4831590 6:00 PM @ wellhead

1.81 F-nipple and w/ 620 psi @ wellhead

API: 4303731827 Area: Big Indian Well Name: Big Indian 36-42

Ops Date: 02/06/2006 100 Report #: **End Time** Description Well shut in w/ pressure gauges set in 1.81 F-nipple and w/ 520 psi

6:00 PM AFE #: 4831590 @ wellhead. Summary: Well shut in w/ pressure gauges set in

Area: Big Indian API: 4303731827

Well Name: Big Indian 36-42

99 Ops Date: 02/03/2006 Report #: **End Time** Description

Well shut in w/ pressure gauges set in 1.81 F-nipple and w/ 300 psi AFE #: 4831590 6:00 PM @ wellhead. Summary: Well shut in w/ pressure gauges set in

Area: Big Indian API: 4303731827 Well Name: Big Indian 36-42

98 Report #: Ops Date: 02/02/2006 **End Time** Description

Well shut in w/ pressure gauges set in 1.81 F-nipple and W/ 200 psi AFE #: 4831590 6:00 PM @ wellhead.

Summary: Well shut in w/ pressure gauges set in 1.81 F-nipple and W/ 200 psi @

API: 4303731827 Area: Big Indian Well Name: Big Indian 36-42

Report #: 97 Ops Date: 02/01/2006 **End Time** Description

Well shut in w/ pressure gauges set in 1.81 F-nipple and W/ 100 psi AFE #: 4831590 6:00 PM

@ wellhead. Summary: Well shut in w/ pressure gauges set in

wellhead.

API: 4303731827 Area: Big Indian Well Name: Big Indian 36-42

**End Time** 

96

Ops Date: 01/31/2006 Report #: Description AFE #: 4831590 200 SITP. Hold safety meeting on flowback operations. R/U Phoenix 6:00 PM

SL and run Pressure gauges set in the 1.81 F-nipple. Open up on 10/64 choke for hours and get flow rate. blew down and shut well in 200 SITP. Run Pressure gauges and set Summary:

in the 1.81 F-nipple. Open up on 10/64 for build up. choke for hours and get flow rate. Blew

### REGULATORY COMPLETION SUMMARY



Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 01/30/2006

Report #:

**End Time** 

Description

AFE #: 4831590

2:00 PM

0 tubing pressure flowing on 10/64 choke. Shut well in for build up.

Summary: 0 tubing pressure flowing on 10/64 choke.

Shut well in for build up.

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 01/27/2006

Report #: 94 **End Time** 

Description

AFE #: 4831590

Summary: 10 psi @ wellhead flowing on 14/64

choke to pit @ 11 mcfsd. Blew tbg down and RIH w/ swab tag nipple and pulled dry. RDMO. Shut tbg in for 3 hour. Open up on 10/64 choke w/ 100 psi @ wellhead 10:00 AM

10 psi @ wellhead flowing on 14/64 choke to pit @ 11 mcfsd. Blew tbg down and RIH w/ swab tag nipple and pulled dry. RDMO. Shut

tbg in for 3 hour. Open up on 10/64 choke w/ 100 psi @ wellhead

and flow test.

and flow test

Well Name: Big Indian 36-42

93

92

API: 4303731827

Area: Big Indian

Ops Date: 01/26/2006 AFE #: 4831590

Report #:

**End Time** 

Description

Summary: 40 psi @ wellhead flowing on 64/64

choke to pit @ 38 mcfsd. MIRU and spot in rig equipment. RIH w/ swab and tag nipple. Made 2 dry swab runs. Flow tbg on a 10/64 choke. Flow test and get rate

6:00 PM

40 psi @ wellhead flowing on 64/64 choke to pit @ 38 mcfsd. MIRU and spot in rig equipment. RIH w/ swab and tag nipple. Made 2 dry swab runs. Flow tbg on a 10/64 choke. Flow test and get rate over

over night

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 01/25/2006

Report #:

**End Time** 

Description

AFE #: 4831590

10:00 AM

R/U SLB to wellhead and hold safety meeting on break down and flow back operations. 70 SIWP. Pump N2 break down on Honaker/ Cutler @ 3756-37, 3632-13. Drop a total of 100 ball sealers and total of 800.00 N2, ISIP = 2565, 5 min SIP = 2500. Shut well in and R/D

SLB.

@ 3756-37, 3632-13 and w/ 100 ball sealers. Open well up on 32/64 choke w/

2170 psi @ wellhead and flowback.

Summary: Pump N2 break down on Honaker/ cutler

6:00 PM Open well up on 32/64 choke to pit w/ 2170 psi @ wellhead.

Flowback

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 01/11/2006

Report #: 91 **End Time** 

Description

AFE #: 4831590

6:00 PM

15 SIWP. Left well shut in for build up.

Summary: 15 SIWP. Left well shut in for build up

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 01/10/2006

Report #: 90

**End Time** 

Description

AFE #: 4831590

6:00 PM

15 SIWP. Left well shut in for build up.

Summary: 15 SIWP. Left well shut in for build up.

FORM 8			STATE OF	UTAH				D REPORT 🗆	FORM 8
		DIVISION	OF OIL, GA	AS AND MI	NING			ST-UT-37	067
WEL	L COMF	PLETION C	OR RECOM	PLETION I	REPORT A	ND LOG*	6. IF IND	IAN, ALLOTTEE OR T	RIBE NAME
la. TYPE OF WELL							7. UNIT A	GREEMENT NAME	
		WELL_	GAS WELL	DRY	X Other			NA LIVER OF THE	
1b. TYPE OF COMPL	ETION						8. WELL	NAME and NUMBER	
WELL	OVER.	EN	BACK	RESVR.	Other	P&A		Big Indian	36-42
							9, API NU	мвек 43-037-31	1927
2 NAME OF OPERATOR EnCana Oil 8	Gas (US	SA) Inc.							
3. ADDRESS AND TELE	PHONE NO.						10. FIELD	AND POOL OR WILL	
370 Seventee	enth Stree	t, Suite 1700	), Denver, CO	80202	720/876-543	<u> </u>	11 SEC	Big Indiar T., R., M., OR BLOCK	AND SURVEY
4. LOCATION OF WE At Surface				State requirements)			OR AI		
Att		553' FSL, 18	13. FVVL					SESW Se	ec 36-29S-24E
At top prod. Interval re	sported below	NA	1569 FC	/	a to to	o Sun	ey		
At total depth	:	517 FSC 589 FSL, 20	/56/ //	or f	wien		12. COUN San	TY Juan	13. STATE UTAH
14. DATE SPUDDED	15. DATE T.D.		16. DATE COMPL. (	Ready to prod. or Plug	& Abd.)			17. ELEVATION	S (DF, RKB, RT, GR, ETC.)*
4/23/06	5/7/06			5/18/06	X ABANDONE		READY TO PRODUCE 21. DEPTH BRIDGE P		, 6335' KB
18. TOTAL DEPTH, MD MD	& TVD 6130		KT.D., MD & TVD nD 6050	HOW MAN		NA	<b></b>	MD	3577 3248
TVD 22. TYPE ELECTRIC A	6116		VD 6036		23			TVD	3240
22. TYPE ELECTRIC A			CNL/LDT Plat	ttorm Express	WAS WELL CORE WAS DST RUN?	ΣDγ Υ <u>□</u>	<b>—</b> `	it analysis) it report)	
					DIRECTIONAL ST		NO (Subm	it copy)	
			rt all strings set in w	BOTTOM (MD)		CEMENT TYPE &	SLURRY VOLUM	CEMENT TOP	** AMOUNT PULLED
HOLE SIZE	size/grai		0	2247	DEPTH	NO OF SACKS	(BBL)	surface	none
12.25 8.75	5.5/ P-1		0	6100		906 sx 50/G/	Poz	2040	none
0.73	0.071	10 11							
						<u> </u>			
25. TUBING RECO							DEPTH SE	T (A(D))	PACKER SET (MD)
NA SIZE	DEPTH SET	(MD) PACKER SET (	MD SIZE	DEPTH SET (MI	) PACKER SET (MI	SIZE	DEPTH SE	I (MD)	1,100.11
10.0									l
26. PRODUCING II	NTERVALS			T (D.D.)	DOTTON (T) (D)	27. PERFORAT		NO. HOLES	PERFORATION STATUS
FORMATION	NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	3613-37			Open Squeezed
A) NA - P&A						4015-40		8" 156	☐ Open ☐ Squeezed
						4209-43	42 3-3/	8" 104	☐ Open ☐ Squeezed
						4401-44			Open Squeezed
						5360-53			Open Squeezed
						5470-55 5660-57			☐ Open ☐ Squeezed☐ Open ☐ Squeezed
					<del> </del>	5850-58			Open Squeezed
				<del> </del>		5980-60			☐ Open ☐ Squeezed
28. Acid, Fracture	Treatment.	Cement Squeeze.	Etc.			1			
Depth Int						d Type of Materia	al		
5360-5		Frac w/70Q	N2 foam and 15	6,000# 20/40	sand				
5470-5		Frac w/slicky	water, 76,000#	20/40 sand	20/40 cond				
5660-5		Frac w/75Q	CO2, slickwate CO2 and 60,00	r and 97,300# 0# 20/40 sand	20/40 Salid				
5850-5		Frac W//3Q	CO2 and 00,000	O# 20/40 Salic	·	·			30. WELL STATUS
		AMOUNT LOOK		GEOLOGIC	REPORT -	DST REPORT	V DIREC	TIONAL SURVEY	P&A
	TRICAL/MECHA			_	_	•	لما		
X SUND	RY NOTICE FO	R PLUGGING AND C	EMENT VERIFICATION	I CORE ANAL	YSIS L	OTHER			1
			· · · · · · · · · · · · · · · · · · ·	(CONTI	NUED ON BA	CK)	I	RECEIV	ED
(5/2000)				(		•	·		
,								JUN 2 6 2	UUb

31. INITIAL PRO	DUCTION					INTERVAL A	(As shown in item #26)						
DATE FIRST PR			TEST DATE	T	HOURS TESTED TEST PRODUCTION OIL - BBL GAS - MCF WATER - BBL PROD					PROD METHOD			
	NA		NA				RATES						
CHOKE SIZE	TBG PRE	ss	CSG. PRESS.	API GRAV	ITY	BTU - GAS	24 HR PRODUCTION	OIL - BBL	GAS - MCF	WATER - BBL	PROD METHOD		
			1				RATES			<u></u>			
	1		•						·		IDDOD METHOD		
DATE FIRST PR	ODUCTION		TEST DATE		HOURS TE	STED	TEST PRODUCTION	OIL - BBL	GAS - MCF	WATER - BBL	PROD METHOD		
							RATES -			WATER RRI	PROD METHOD		
CHOKE SIZE	TBG PRE	SS	CSG. PRESS.	API GRAV	TTY	BTU - GAS	24 HR PRODUCTION	OIL - BBL	GAS - MCF	WATER - BBL	PROD WETHOD		
			L			<u> </u>	RATES -			L			
					HOURS TO	CTED	TEST PRODUCTION	OIL - BBL	GAS - MCF	WATER - BBL	PROD METHOD		
DATE FIRST PR	RODUCTION		TEST DATE		HOURS TE	:2150	RATES	012 - 202	0.10				
			000 00556	ADI CRAV	(ITV	BTU - GAS	24 HR PRODUCTION	OIL - BBL	GAS - MCF	WATER - BBL	PROD METHOD		
CHOKE SIZE	TBG PRE	SS	CSG. PRESS.	API GRAV	111	BIOTORS	RATES -						
			L	<u> </u>			10012			<u> </u>	<u> </u>		
DATE FIRST PE	PODUCTION	·	TEST DATE		HOURS TE	STED	TEST PRODUCTION	OIL - BBL	GAS - MCF	WATER - BBL	PROD METHOD		
DATEFINSTER	CODUCTION		1,201,031,12				RATES				PROD METHOD  Top (Measured Depth)		
CHOKE SIZE	TBG PRE	ss	CSG. PRESS.	API GRAV	/ITY	BTU - GAS	24 HR PRODUCTION	OIL - BBL	GAS - MCF	WATER - BBL	PROD METHOD		
OFFICE CALL							RATES						
32 DISPOSITIO	N OF GAS	Sold, Used	for Fuel, Vented,	Etc.)									
02. 5101 001110		(+,	,										
33. SUMMARY	3. SUMMARY OF POROUS ZONES (Include Aquifers):							34. FORMAT	ION (log) MAR	(ERS:			
Show all impor	Show all important zones of porosity and contents thereof: Core				Intervals a	nd all drill-sten	n tests, including						
depth interval t	tested, cush	ion used, tii	me tool open, flov	ving and sh	ut-in press	ures and recov	veries.						
Formation		Тор	Botto		De	escriptions, Co	ntents, etc.		Name		1		
		(MD)	(ME	))	ļ		<u> </u>						
								Cutler			2298		
								Honaker	Taril		3707		
					İ			Ismay			5681		
			1					Paradox	Salt		6056		
			İ					l alaaan					
			1										
					Ì								
					1								
											l'		
35 ADDITION	AL REMARI	KS (Include	plugging procedu	ıre)									
OC. ADDITION		(		•									
									<u>.</u>				
36. I hereby c	ertify that th	ne foregoing	and attached inf	ormation is	complete a	and correct as	determined from all availab	le records					
	•												
NAME (PLEAS	SE PRINT)		Jane V	Vashbur	n		TITLE	Operation	ons Engine	ering Tech			
NAME (PLEASE PRINT)  Jame Washout													
SIGNATURE		Tui i	(lh)	NHU	in	<b>→</b>	DATE	06/	12/2006				
	(												
<del></del>													
This report	must be s	ubmitted v	within 30 days	of			• reentering a previ	ough plugged ar	nd abandoner	i well			
	• com	oleting or p	olugging a new	well	المنتسالا	oro	• reemening a previ	ously plugged at ening an evicting	well hore he	low the previou	us bottom-hole depth		
			tal laterals fron			ore	drilling hydrogerh	on exploratory be	les, such as	core samples	and stratigraphic tests		
	• recor	mpleting to	a different pro	oducing to	ormation		- unining mydrocarbi	on exploratory ne	,	-2.2 -2	<b>.</b> ,		
			#	is meadless	ion ic maa	seurad carar	rately from two or more	formations					
*ITEM 20:	Show the	number o	i completions i	ıı producti	on is mea	asureu sepai	acory month two or more						

\*\*ITEM 24: Cement Top -- Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to:

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 Box 145801

Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

### **PATHFINDER**

**BHL Report** 

Page 1 Job No: J-WY-0505-0029-WY-WY

Date: 5/10/2005 Time: 3:28 pm

Wellpath ID: Big Indian #36-42 Date Created: 5/3/2005

Last Revision: 5/10/2005

Calculated using the Minimum Curvarture Method Computed using PDS VER2.2.6 Vertical Section Plane: 261.60 deg.

Survey Reference: WELLHEAD Vertical Section Reference: WELLHEAD Closure Reference: WELLHEAD

EnCana Oil & Gas Big Indian #36-42 San Juan Co. UT Rig: Unit #135

Decl: 11.45 East to True KBH: 22' to Ground Level

TVD Reference: WELLHEAD

PES Office Supervisor:
Rich Arnold
PES Field Engineer:
Aaron Carlson
PES Directional Driller:
Steve Walker

 Measured Depth
 6130.00 (ft)

 Inclination
 4.22 (deg)

 Azimuth
 194.44 (deg)

 True Vertical Depth
 6116.12 (ft)

 Vertical Section
 246.23 (ft)

Rectangular Offsets

North/South 35.95 S (ft)

East/West 243.59W (ft)

Closure Dist & Dir 246.23@261.60 (deg)

### **PATHFINDER**

**Survey Report** 

Page 1 Job No: J-WY-0505-0029-WY-WY Date: 5/10/2005

Time: 3:28 pm

Wellpath ID: Big Indian #36-42 Date Created: 5/3/2005 Last Revision: 5/10/2005

Calculated using the Minimum Curvarture Method Computed using PDS VER2.2.6 Vertical Section Plane: 261.60 deg.

Survey Reference: WELLHEAD Vertical Section Reference: WELLHEAD

Closure Reference: WELLHEAD TVD Reference: WELLHEAD

EnCana Oil & Gas Big Indian #36-42 San Juan Co. UT Rig: Unit #135

Decl: 11.45 East to True KBH: 22' to Ground Level

PES Office Supervisor:
Rich Arnold
PES Field Engineer:
Aaron Carlson
PES Directional Driller:
Steve Walker

Donth		Drift Dir.	TVD	Course Length	Vertical Section	Rectangula	T A L r Offsets	Closure Dist. Dir.	DLS
Depth (ft)	(deg.)	(deg.)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft) (deg.)	(dg/100ft)
TIE INTO S	SURFACI	E							0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00@ 0.00	0.00
<b>FOLLOWIN</b>	NG ARE	TOTCO SI	JRVEYS PR	OVIDED BY	CO-MAN.				0.00
502.00	3.00	0.00	501.77	502.00	-1.92	13.14 N	0.00 E	13.14@ 0.00	0.60
1229.00	2.50	340.00	1227.95	727.00	-1.51	47.06 N	5.42W	47.38@353.43	0.15
1726.00	2.50	320.00	1724.48	497.00	6.35	65.55 N	16.10W	67.50@346.20	0.17
FOLLOWIN			DER MWD S	URVEYS					
2400.00	2.73	304.22	2397.79	674.00	25.87	85.84 N	38.82W	94.21@335.67	0.11
2712.00	3.34	272.75	2709.37	312.00	40.26	90.46 N	54.04W	105.37@329.14	0.56
2994.00	4.13	263.96	2990.77	282.00	58.46	89.78 N	72.35W	115.30@321.14	0.35
3275.00	4.75	260.01	3270.93	281.00	80.20	86.70 N	93.87W	127.78@312.73	0.25
3555.00	5.10	254.74	3549.90	280.00	104.15	81.41 N	117.29W	142.78@304.76	0.20
3838.00	4.75	251.92	3831.85	283.00	128.19	74.46 N	140.57W	159.07@297.91	0.15
4119.00	5.28	246.48	4111.78	281.00	152.14	65.69 N	163.48W	176.19@291.89	0.25
4401.00	6.42	244.28	4392.30	282.00	179.71	53.67 N	189.58W	197.04@285.81	0.41
4645.00	7.39	241.38	4634.53	244.00	207.46	40.24 N	215.65W	219.37@280.57	0.42
4728.00	6.86	234.61	4716.89	83.00	216.89	34.81 N	224.38W	227.06@278.82	1.20
4789.00	6.07	226.17	4777.51	61.00	222.76	30.47 N	229.67W	231.68@277.56	2.02
4852.00	5.63	221.78	4840.18	63.00	227.85	25.85 N	234.13W	235.56@276.30	1.00
4915.00	5.01	220.72	4902.91	63.00	232.30	21.47 N	237.99W	238.95@275.15	1.00
4976.00	4.57	213.69	4963.69	61.00	235.95	17.42 N	241.07W	241.7C@274.13	1.20
							0.10.074/	040.05@.070.60	1.34
5008.00	4.31	209.30	4995.60	32.00	237.54	15.31 N	242.37W	242.85@273.62	
5040.00	4.13	206.31	5027.51	32.00	238.93	13.23 N	243.47W	243.83@273.11	0.89
5071.00	3.96	204.46	5058.43	31.00	240.14	11.26 N	244.41W	244.67@272.64	0.69
5101.00	3.61	200.95	5088.37	30.00	241.17	9.43 N	245.17W	245.35@272.20	1.40
5133.00		196.29	5120.31	32.00	242.03	7.64 N	245.78W	245.9C@271.78	1.62

### **PATHFINDER**

**Survey Report** 

Page 2 Date: 5/10/2005 Wellpath ID: Big Indian #36-42

Measured	Incl	Drift Dir.	TVD	Course Length	Vertical Section			Closure Dist. Dir.	DLS
Depth (ft)	(deg.)	(deg.)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft) (deg.)	(dg/100ft)
5404.00	2.81	191.19	5151.27	31.00	242.64	6.08 N	246.17W	246.24@271.41	1.44
5164.00	_	190.23	5183.24	32.00	243.12	4.65 N	246.44W	246.48@271.08	1.38
5196.00	2.37		5214.21	31.00	243.47	3.51 N	246.62W	246.65@270.81	1.45
5227.00	1.93	187.76	5214.21	31.00	2-10.17	0.07.1		_	
5050.00	4.67	192.16	5245.20	31.00	243.77	2.55 N	246.79W	246.80@270.59	0.95
5258.00	1.67		5276.19	31.00	244.06	1.76 N	246.96W	246.97@270.41	1.13
5289.00	1.32	192.86		32.00	244.31	1.06 N	247.11W	247.12@270.25	0.30
5321.00	1.23	191.37	5308.18	32.00	244.01	1.0011			
		404.70	E220 47	31.00	244.53	0.43 N	247.24W	247.24@270.10	0.29
5352.00	1.14	191.72	5339.17	31.00	244.75	0.19 S	247.37W	247.37@269.96	0.29
5383.00	1.23	191.89	5370.17	31.00	244.75	0.10 S	247.47W	247.47@269.79	0.84
5414.00	1.41	183.72	5401.16	31.00	244.50	0.500	217.1744		
		474.05	5400.45	31.00	245.03	1.70 S	247.43W	247.44@269.61	1.14
5445.00	1.58	171.85	5432.15	31.00	244.97	2.63 S	247.23W	247.25@269.39	1.32
5476.00	1.93	164.91	5463.13		244.82	3.68 S	246.93W	246.96@269.15	0.62
5507.00	2.11	162.89	5494.11	31.00	244.02	3.00 0	240.000	2.0.00	
		4 40 40	5500.00	32.00	244.48	4.73 S	246.43W	246.48@268.90	1.88
5539.00		146.46	5526.09	32.00 124.00	242.35	8.83 S	243.67W	243.83@267.92	0.28
5663.00	2.46	145.66	5649.99		242.33	12.63 S	241.65W	241.98@,267.01	0.68
5757.00	2.81	157.44	5743.90	94.00	240.90	12.03 3	241.00**	211.00@201101	
			5000 70	405.00	240.54	19.10 S	240.33W	241.09@265.46	0.96
5882.00	3.34	177.74	5868.72	125.00		27.19 S	241.33W	242.86@263.57	1.12
6007.00	4.22	194.44	5993.45	125.00	242.71	21.190	241.0044	2 ,2.03@200.01	
			ON TO TD, E	ND OF JOB.	246.22	35.95 S	243.59W	246.23@261.60	0.00
6130.00	4.22	194.44	6116.12	123.00	246.23	33.93 3	240.00**	2 10:23@20 1:00	

FORM 9	STATE OF U IVISION OF OIL, GAS		ı	5. Lease Designation and Serial No. ST-UT-37067			
Do not use this form for prop	NOTICES AND RE osals to drill new wells, deepen existing to PERMIT TO DRILL OR	wells, or to reenter plugged and	abandoned wells.	6. If Indian, Allotte or Tribe Name  NA  7. Unit Agreement Name			
1. Type of Well	☑ Gas Well	Other		NA 8. Well Name and Number Big Indian 36-42 9. API Well Number			
2. Name of Operator:  EnCana Oil & O	Gas (USA) Inc. h Street, Suite 1700,	Phone:	)202	43-037-31827 10. Field and Pool, or Exploratory Area Big Indian			
4. Location of Well Footages: 553' FSL	, 1813' FWL ec 36-29S-24E			County: State:	San Juan Utah		
NOT	PPROPRIATE BOX(ES ICE OF INTENT omit in Duplicate)	) TO INDICATE N	l s	, REPORT, OR OTHER DATA SUBSEQUENT REPORT (Submit Original Form Only)			
Abandon Repair Casing Change Plans Convert to Injection Fracture Treat or Acidize	Repair Casing Pull or Alter ( Change Plans Recomplete Convert to Injection Reperforate		✓ Abandon*  ☐ Repair Casing ☐ Change Plans ☐ Convert to Injection ☐ Fracture Treat or Acidi	ze	<ul><li>New Construction</li><li>Pull or Alter Casing</li><li>Recomplete</li><li>Reperforate</li><li>Vent or Flare</li></ul>		
Multiple Completion	☐ Water Shut-	Off	Other		☐ Water Shut-Off		

The Big Indian 36-42 was P&A on 5/18/2006 as follows:

Approximate date work will start

CIBP set @ 3577 topped w/10 sx 50/50 poz. Pumped 13 sx 50/50 Poz @ 2180 and topped w/10 sx cement @ 2250-2347. Set 50 sx surface plug in 5-1/2" casing w/6 sx 50/50 Poz. Dug out wellhead and cut off casing 5' below GL and pumped 50' surface plug w/11 sx 15.5# 50/50 Poz. Welded on dry hole marker plate and covered up hole.

Date of work completion

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

Attached is a wellbore diagram, a cement report and daily reports detailing the P&A.

Name (Printed/Typed)  Jane Washburn	Title	Operations Engineering Tech
Signature Will Washillus	Date	06/01/2006
(This space for State use only)	-	

<sup>12.</sup> Describe Proposed or completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof.

If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones.

Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, A form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

### WELLBORE DIAGRAM (After P&A)

Surface Loc: 533' FSL, 1813' FWL

Operator: EnCana Oil & Gas (USA) Inc.

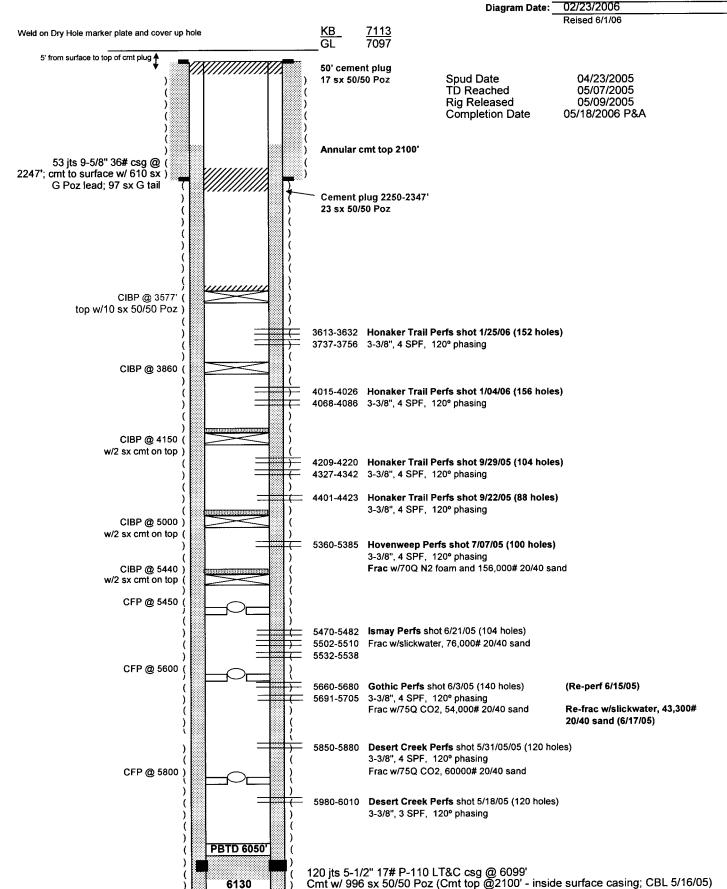
Well Name: Big Indian 36-42-29-24

Location: SESW Sec 31-T30S-R26E

Middle Mesa

County: San Juan County, Utah

API Number: 43-037-31827



JOE Kanffmann

13- Pages BIG INDIAN RE- PLA #36-42

**API Well No.:** 

Thanks Danell-

5/18/2006 SAN JUAN

# 5 1/2" PLUG TO ABANDON

Customer Representative: DARRELL MOTT #970-739-3522 **Halliburton Operator:** SHELDON JONES Ticket No.: 4396811

HALLIBURTON

## **CEMENT JOB SUMMARY SHEET**

### 5 1/2" PLUG TO ABANDON

		,	<b>4.</b> 1	Measure	
Casing Gurface	Size	Weight	Grade	d Depth	Total Casing
ntermediate Production	5 1/2"	17#		3577+	3577+ 3577'
Tubing Drill Pipe Open Hole	2 3/8"	4.7#		3577'	
		CEA	MENT DATA		
Spacer	15 Bbls G	L H2O			
Cement 1 Additives	50/50/G/PC 2% GEL	)Ž			10 Sacks
	Weight (lb/gal	) 13.50	Yield (cuft/sk	1.30	Water (gal/sk) 6.60
Cement 2 Additives	50/50/G/P0 2% GEL	Σ			13 Sacks
	Weight (lb/ga	l) 13.50	Yield (cuft/si	k) 1.30	Water (gal/sk) 6.60
Cement 3 Additives	50/50/G/P0 2% GEL	ΟZ			10 Sacks
	Weight (lb/ga	I) 13.50	Yield (cuft/s	k) 1.30	Water (gal/sk) 6.60
Cement 4 Additives	50/50/G/P 2% GEL	Ο <b>Ζ</b>			13 Sacks
	Weight (lb/ga	i) 13.50	Yield (cuft/s	k) 1.30	Water (gal/sk) 6.60
Displacement	Gel/H2o		9#	(lb/gal)	
		CEMENT	ING EQUIPM	IENT	
Provider			Centralizers		63.
Guide Shoe		<b>63.</b>	Plug Type	5 1/2"	<b>63</b> .
Float Shoe Float Collar		62.	Packer Packer		ft.
wingt ("Allar		ea.	. 44		RL.

## HALLIBURTON Work Order Contract

MATERIALS AND SERVICES DESCRIBED ON THE ATTACHED

ORDER NUMBER

4396811

Order Number

4396811

		Halliburion Energy Servi Houston, Texas: 77			
1012 SAP		INC YOU ARE HEREBY REQUESTED T		T AND SERVICE PERS	NNEL TO
TO: HALLIB	URTON ENERGY SERVICES.	INC YOU ARE HEREBY REQUESTED T E AS AN INDEPENDENT CONTRACTOR T	O CUSTOMER LISTED	BELOW AND DELIVER	AND SELL
DELLY	ER AND OPERATE THE SAM HOTE CURRILES AND MATE	RIALS FOR THE PURPOSE OF SERVICIN	G:		
VALINO.	Ifam or Lamb	County	lacen	Weil Permit Number	
<b>K36-42</b>	BIG INDIAN	NAUL MAS	UT		
aniomer'		Well Course	Job Purpose 5 1/2" Pi	UG TO ABANDON	
DARREL	L MOTT #970-739-3522	ENCANA OIL&GAS THIS WORK ORDER MUST BE SIGNED BE			
TAISTONER	REPRESENTATION - Customer woman	THIS WORK ORDER MUST BE SIGNED BE THIS WHIT IS IN proper condition to receive the service	s, equiphielli, products, and male	PURIS TO be ambigued by Lightpring	n Energy Services, Inc.
hereinalter "He	Mourice").	and the second design of the s	contract in proportiones with Hallita	untorn's current price list. Alt prices	270
I. PRICE A	ND PAYMENT - The services, equipment # Cstemer down not between #0 #00000	, products, and/or malaness to be supposed measures and ed open account with Heliburton, all sums due are payet	to in cash at the time of pertonna	mos of marvices or definisity of eq	ûpment, Stransver
Nogricia or with	Minks If Customer her an approved ope	ed open account with Hambleton, as summ that are paper account, invoices are payable on the beautieth day after	the class of invoice. Customer as	things to box assures; our sail rather	io deserva
क्षा क्षाय व्यक्त है	ayable until peld at the highest leeful bon	n account, process are payers on the best september to preced 18% per ennun of the uniquid account, or Heliburton's actual attorneys for	r, whichever is greater, plus oil	collection and court coats. Custo	mer agrees
			ly for any and all damages wha	iscever to property or any	
dad owned by	r, in the possession of, or leased by Ca	Stomer and mose persons and endure contents in	harton Group HARMLESS from	and against any and all	
waters of join labelly, claims	k veptures with Customer, Customer codes, expenses, alternary faces and c	ino agrees to <u>ther each, imposted to an interest, dest</u> integes whatsoever for personal injury, libess, dest	b, property damage and loss re	sulfing tront:	
			meanur or undertitle and damage	a including loss of oil gas other	mineral
	and the second s	o ostalana faram i myletykki irky (1917/2010). (2011/2016 10 fyl kyse (	4 (184 AVIII (1947) 1947) 44 (1948) 44 (1947)	ess or any action in the nature the	medt, (ing.
	emplosion: substitutace pressuits: (3d	pectivity; and policion and contamination and its cleanur	and control		
		الأشاع أود بالأدارة فالأراد المراجع ال	s caused by the spin, concurrent, acti	<b>⇔</b> or	
wan of sech def	ect, "Halifination Group" is delicant on Halificht	to Energy Sayricas, Inc., its parent, substituty, and minimal co	Whether the	htefores	
وبطائفنا ليجيجو	policy(s). Customer spens that its liability und	M. Wife Conspany of Apic Market by the american on the commission of the		•	
D. EQUIPA	MENT LIABILITY - Customer shall at its rid	K Bild Exhause somult to Leconal, sub Lieutrician cross-	equipment jost or lodged in the W	uit, if the equipment is recovered -net one the recisement cost. I	and reparative, night caused by Huilbarian's
Customer shell	I pay the repair costs, which caused by I	(SECONDALE STATE DEGENERAL IN SIGN AND AND AND AND AND AND AND AND AND AN	- CIA- 30 dE/a) of the Nevice	r Paradelory Commission regula	goue and sulve other adherapys
sale regilipant	ia. If a radioscilve spurpe becomes lost of	ladged in the well, Customer shall meet as requestrens at and shall permit Hellburton to monitor the recovery or a small permit and small permit and shall be transit missers.	dendorment efforts all at no risk	or liability to Hallburton Group. C	Letomer shall be
نا فالأند سيده ر	r demege to or loss of Hallburton group (	Configuration of the second se	of Hallis alon orner manifolish	nt charmagned by controlion of able	gian dup to well cillularità.
maquest, and d	Fitting toeding end mytegging from sman gr	Markous Crescours, was 4000 bill are sen school or schools.	under this Contract and that said	ne are tree from defects in workt	amethip
E LIMES	For thirty (30) grive blood the date of di	Ny 100 10 100 SQUADRICK, PROCESS OF MARKANTES, EXPRESS OF	IMPLIED, OF NERCHANTABEL	ITY, FITNESS OR	
OTHERWISE	BEYOND THOSE STATED IN THE IMM	EDMIETA IMPREDIMO SEN I SACC METANAM		where to the codecome	us of each on their rotum to
action (wheth	or in contract, text, breach of warranty of o	statedas) arising out of the sale, lease or use or any equal of Cuetomer of creat for the cost of such items. In the sale	t shall Hallburton be liable for sp	ocial, incidental, indirect, contact	uertiel, or punitive = TO
demenes. Bes	Minimum of the incruming of variable well of	o Customer of credit for the coat of such name. In no aver anditions and the recursity of relying on facts and support STON PROPERTY - BUATCOMALS, CIEP SERVICE - MOR	ing services turnished by others,	CHURT. Mattributik logi ib olivani	ŧ 10
GUARANTE	E THE EFFECTIVENESS OF THE	FORMARIA L' MINTENNESS DE CONTRACTOR MANAGEMENT	PARTIES IN MALE HELDER	ALCIROLIP, Hallburton	
		La compliano provi dispoir Palidi in JANATIGITA DI ETIDITATEMINE IL DUE LA	MITHING AND Arts a per successions. A		LISTOMER SHALL
personnel WF	LESS THEIR DESK SUCHES IT GERMANNY SULL I W.	DAMACIES AROSING FROM THE USE OF SUCH INFO	MATION. even # such is comb	revisid	enfrantratuit
FO OL CERTAG	d by the active or passive neglige	DAMAGES AROSING FROM THE USE OF SUCH INFORMACE, fault or strict liability of any member or m	drabers of Historiaans Grove Manager providental or Interv	ig, reministration of such	data by
the accurac	by of data transmitted by election	IC DECCRETATION MADE AND A SECOND STATE OF THE PARTY OF THE PROPERTY OF THE PR			
third partie	5. CONNECT AW The waitfor intercentally	on and construction of this Contract situal be determined t	y the least of the jurisdiction when	à the services and performed or t	tid adrijbisaur or
materials are	delivered.			A reactional by bireding arbitration	ry a pandi of three
G. DISF	PLITE RESOLUTION CLISTOTIST BIRL HARR	turion agree that any dispuls that may urise but of the pa	Militerica or any compay were to		
arbitrators un	dor the miles of the American Arbiteson / strate try - If any american or best them	Associator. The arbitration will take place in Houston, TX and of this Contract shall be held to be leasted, void, or of n	o effect for any reason, such hold	ing statinot be deamed to affor	, the velicity of mutrable.
the remaining	provisions of this Contract which can be	of of this Contract shall be held to be traveled, vote, or or it gives offers, without the invalid provision of part thereof, the Contract and in Invalidation that which under socioable	grid to this and, the provisions or 	this intent of the parties hereunitie	r to the greatest
	a Heiliburkon agree that ery provision or I	Mile Critical and an expension despite in some many and an expension.	•		
gytarit allûwê	d by applicable law. DISTORTIONS & Contomer acress that lief	iburtan shall not be bound by any modifications to this Co	intract, except where such model	cetion is made in writing by a duly	TILICIDAD ASSICTINA CURCA
محاده بطالتها الم	. Class works for MANISCOSCOS STRUCKI DR D	GORD TO AND AND LIGHTON - CORNY - LAG AT		- V	<u></u>
I HAVE RE	AD AND UNDERSTAND THIS WOL	IK ORDER CONTRACT WHICH CONTAINS RE	EASE AND INDEMNITY LA	TANKE WITH THE TREET	
CUSTOME	R ACKNIONILEDGES IS CONSPIC	LIOUS AND AFFORDS FAIR AND ADEQUATE N	OTICE AND I REPRESENT	IMM I MILMONIA	
	HE SAME AS CUSTOMER'S AGE				
			الشفور و <sub>ال</sub> و	TIME: 6:30	A.M./PM.
\$16	INED:	DATE:	5/18/2006	TIME: 6:30	
		Unforted Signatory			
	Acceptance of staterials and Serv	lices			
THE CUS	TOMER HEREBY ACKNOWL	DGES RECEIPT OF THE			

**CUSTOMER Authorized Signatory** 



Field Ticket HALLIBURTON ENERGY SERVICES, INC.

5/18/2006 3:46:54 PM

Sales Order Number: 0004396811	Sales Order	r Date: Tuesday, May 16, 2006
Sold To ENCANA OIL & GAS (USA) INC. E-BIZ (E-BILLING ACCOUNT)	Order Type:  Well Name:  Company Code:  Customer PO No.:	ZOS BIG INDIAN #38-42 1100 na
870 17TH STREET STE 1700 DENVER CO 80202 Shio To ENCANA BIG INDIAN #36-42,H BIG INDIAN #38-42	Shipping Point: Sales Office: Well Type: Well Category:	Farmington, NM, USA Rocky Mountains BD Gas Development
H ENCANA MONTICELLO UT 84535	Payment Terms:	Net 30 days from Imroice date

MONTICELLO	O UT 84535	L	<u>uyı</u>					
Material	Description	QTY	иом _	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
7528	CMT PLUG TO ABANDON BOM	1	JOB	! 				
1	Plant: 0204 ZI-MULEAGE FROM NEAREST HES BASE/UNIT Number of Units	400 2	MI unit		8.74	6,992.00	-3,496.00	<b>1,496.00</b>
2	Plant: 0204  NULEAGE FOR CEMENTING CREW,ZI  Number of Units	400 2	Mi unit		5.14	4,112.00	-2,056.00	2,056.00
16094	Plant: 0204 PLUG BACK/SPOT CEMENT OR MUD,ZI DEPTH	1 3575	EA		4,661.00	4,561.00	-2,330.50	2,330.50
132	FEET/METERS (FT/M)  Plant: 0204  PORT, DAS WICEMWIN; ACQUIRE WIHES, ZI  NUMBER OF DAYS	1 2	JOB Days		1,472.00	2,944.00	-1,472.00	1,472.00
7	Plant: 0204 ENVIRONMENTAL SURCHARGE,LIOB,ZI	1	JOB		120.00	120.00		120.00
8	Plant: 0204 IRON SAFETY INSPECTION SURCHARGE (JOB ZI	1	JOB		74.00	74.00		74.00
3965	Plant: 0204  HANDLE&DUMP SVC CHRG, CMT&ADDITIVES,ZI NUMBER OF EACH	π 1	ÇF each		4.90	377.30	-188,55	188.65
76400	Plant: 0204 ZI NILEAGE, CMT MTLS DELIRET MIN NUMBER OF TONS	200 3.1	MI		2.91	1,853.80	-926.90	926.90
12302	Plant: 0204 SBM 50-50 PQZ (PREMRUM)	75	sĸ		24.10	0 1,807.50	-903.75	903.75
	Plant: 0204							İ

Customer Signature

Material	Cescription	aty	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Not Amount
201060	BA AQUAGEL - 50 LB BAG	24	BAG		6.67	180.08	-80.04	80.04
201063	Plant: 0204 BABAROID REGULAR - 50 LB BAG	36	BAG		10.14	365.04	-182.52	182.52
45	Plant: 0204 SQUEEZE MANIFOLD	1	EA	ļ	350.00	350.00	-175,00	175.00
432487	Plant: 0204 CMT, Bulk Cement Surcharge	75	EA.		1.38	103.50		103.50°
96955	Plant: 0204  ZI FUEL SURCHG-HEAVY TRKS >1 1/2 TON Number of Units	400 2	Mk		0.40	320.00		320.00
86954	Plant: 0204  ZI FLIEL SURCHG-CARS/PICKLIPS<1 1/ZTON  Number of Units	800 2	M unit		0.13	208.00		208.00
87805	Plant: 0204 ZI FUEL SURGHG-CMT & CMT ADDITIVES NUMBER OF YONS	200 3.1	MI		0.13	80,6 <b>0</b>		80.60
372867	Plant: 0204  Cret PSL - DOT Vehicle Charge, CATT	2	EA		215.20	430.40		430.40
16092	Plant: 0204  ADDITIONAL HOURS (PUMPING EQUIPMENT), ZI	1 10	EA HR		958.00	9,560.00	-4,780.00	4,780.00
	Plant: 0000		<u> </u>				40 574 55	17,927,86
	SHELDON JONES				Totals	34,519.22	-16,591.36	17,327,05

OperatorName:	SHELDON JONES	Totals	
ÇustomerAgent:	DARRELL MOTT	FIELD TICKET TOTAL	\$17,927.8
Halliburton Approvul:			

						SALES ORO	R NUMBER	1	YICKET DATE			
HALLIB	JRTC	DL JO	B SU	MI	MARY	4396	811		M	lay 18,	2006	1
RESCRI			NWA/COUNT			80A /	STATE	<del>- </del>		COUNT	Y	
NORTH AMER	NO.		KY MOU		<u>un</u>	U	<u> </u>	951 7	PSLDEWKINERY			
248302			ELDON J		s		Z	DNAL	ISOLA	TION		
248302 LOCATION		-	COMPANY:			DARRELL MOTT #970-739-352				3522		
FARMINGTON	. NM	EN	CANA OIL	A5		PAKKE	LL MIC		U-1 38-	<u> </u>		
TOTAL		l .	02 GAS	02 GAS								
WELL LOCATION		7011	DEPARTMENT		40002	\$\\P BOLES M 7528		£ 41	2" PI I	CTO	ABAND	ON
LAND	Well No.	ZONAL SEC/	SOLATI	<u>UN</u>		TWP I					780	5
BIG INDIAN	#36-42				3	6 <u>29S</u> 2	AE					أحب
H.E.S. MAP WANT / BMP & / (EXPONEURE HOL	JRS) HRS			HRS				Atas			i i	AS
Sheldon Jones 2483	02	Jerry Etcitty 2	27876	94	J.D. Biz	zeli 162183		***	<del></del>			
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				⊢┼			<del></del>					
HEB. UNIT #8 / (R / T WILES)	R/TMES	· · · · · · · · · · · · · · · · · · ·	R/T	ME ES			RITM	مسيديا وفي			R/TN	
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	1 1			1				工厂				
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			<u></u>								,	<del></del>
Form. Name	Type:				Called Out	On Loca	tion 1	"Job S	tarted	Jol	Comple	ted
Form. Thickness Packer Type	From Set At	То	Date	<del>                                     </del>	5/18/06	\$/18/			8/06	1	5/18/06	
Bottom Hole Temp.	Press	ure		ł	4-55		. 1	۰.	22	1	15:17	1
Retainer Depth		Depth	Time	Ļ	1:00	6:30 Well D			<del>44</del>	.i.,	1 i j	لبييسي
Type and Size	nd Accessorie	Make	Casing		New/Used		Size Gr	ade	mon	To	Total Cas	ing
Float Collar 5 1/2"	- MALT	Lyronto	Surfac	е								
Float Shoe 5 1/2"			Interm		e.	2-2	5 1/2"	_	0'	3577+	357	7+
Centralizers 5 1/2"			Produc Drill Pi			17#	5 1/2			30114	351	٠
Top Plug 5 1/2"	<del></del>		Tupico	_		4.7#	2 3/8"	_	0'	3577	357	$\overline{r}$
Limit Clamp 5 1/2" BASKET 5 1/2"	<del></del>	.,.,	Open	_							Hol	es
Insert Float 5 1/2"			Perfora					_ _				
Guide Shoe 5 1/2"			Perfora					-				
Weld-A 5 1/2"	aterials		Perfora	On L	ocation	Operating	Hours		Descrip	tion of	<b>o</b> b	
Mud Type H20 BAS	E Densky	9 Lb/Gal			ocation Hours	Date 5/18/06	Hours 0.50	<b>:-</b>   .		SEF W	OB LOG	
Disp. Fluid Gel/H20		9# Lb/Gal	5/18/ 5/18/		10.00	5/18/06	0.50			ÇEE D	<u> </u>	
Prop. Type	Size Size	_Lb	57.10	<del>~</del>		5/18/06	0.50		·····			
Acid Type	Gal.	-%						7				
Acid Type	Gal.	_%					<del></del>	$\dashv$			···	
Surfactant NE Agent	Gal.		<del> </del>					⇉ .				
Fluid Loss	Gal/Lb	_in										
Gelling Agent	Gal/Lb	_in										
Fric. Red.	Gal/Lb	in	Total		10.00	Total	1.50					
Breaker Blocking Agent	GaVLb GaVL		101.01	L								
Perfpac Balls	Qty			4		Hydraulic	Horsepo	wer	Use			
Other			Ordere	ed		Avail. Average F	tates in	₽M	USt			
KCL substitute Other			Treatin	ng_		Disp.			Overall			
Other			1			Cement	Left in P	pe 🗒	ustom	an Dans	oct	
Other			Feet			Reason			, URIOTH	or Requ	EDL	
			• -	<b>.</b> _=-7			•••					
Bhant Control Con	it Bulk/Sks	r		eme	ent Data Additives		<del></del>		W/Rq.		Lbs/Gal	Bbls
Stage Sacks Cement Plug 1 10 50/50/G/P		<del></del>			2% GEL				6.60	1.30	13.5	2
Plug 2 13 50/50/G/P					2% GEL				6.60	1.30	13.5	3 2
Plug 3 10 50/50/G/P	OZ BULK				2% GEL 2% GEL				6.60	1.30	13.5	3
Plug 4 13 50/50/G/P					270 GEL							
<del> </del>	BULK		Ç.	אַנווינון	WV			,				
Circulating RIC	Displ	acement	HES PUMF	4, r ad 1, 445 3	Preflush:	Gal - BBI	1	5	Type:		GEL H20	<u></u>
Breakdown	Maxii				Load & Bkdn: Excess /Retur	Gal - BBi			Pad:Bt Calc.D		8	
Lost Returns	NO Actus	итос	2175' SUR	F	Calc. TOC:		2175	SURF	Actual	Disp	8.3	
Crnt Rtm#8bl	Frac.	Gradient			Treatment:	Gal - BBI			Disp:B	bl-G∉ 11		
Shut in: Instant	5 Min		Min		Cement Slum Total Volume	(21 - 22)				34		<del></del>
Frac Ring #1	. 12	rac Ring # 2			Frac Ring	1#3		]Fn	ec Ring	3		
THE INFORMATIO			PPECT	-	10.000.000				***************************************			
T .			::/1 <b>/1</b>   <b>-/</b> 1									
CUSTOMER REPR	KESEN I A I II	YE		<del></del>		SIGNATURE				·		<del>,, ., ., ., .</del>

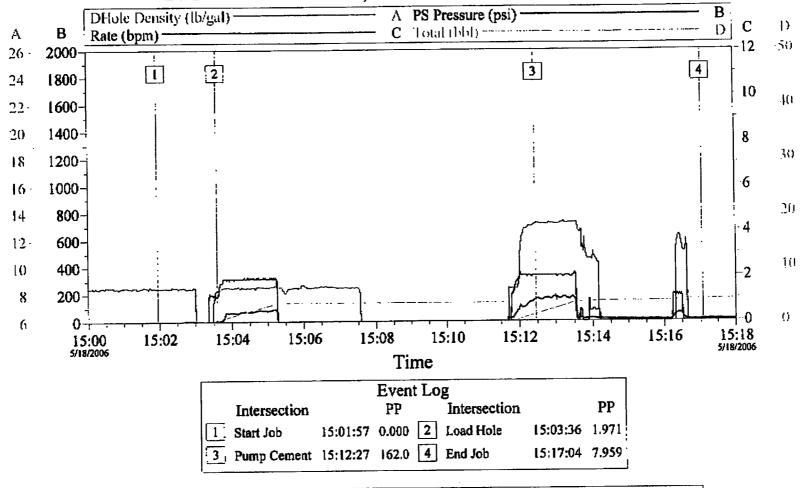
				10.5	AA PAY		GR MJABER		TICKET	DATE	
Hallibu	rto	n JOE	<u>3 SU</u>	MI	MARY		6811 STATE		May 18		
REGION		1	Y MOL		in _		ah	PSL DEPARTME	San .	<u>luan</u>	
NORTH AMERICA		TES	S EMPLOYEE NAME								
125314 Vacanon		Kooney i	COMMIN: COMMIN								
FARMINGTON, NI	<u> </u>		Encan			APIUM #					
			02 GA	S		EAF BOMB NU			JOS TYPE		<del></del>
WELLOCATION		ZONAL IS	SOLAT	ION 1	0003	7528			PTA	FENG	
LEXSE NAME	₩el No. #36-42	BEC/				TVIF /					
Big Indian				HRS			HRS				HORES
Rodney Hardesty 125314	6.0	Harry Shoats 3290	713	6.0		ieli 1 <u>62183</u> bbs 375282	6.0 4.0				
				-	SIAU LOI	000 01 0202					
NES UNITES (R/TMLES)	R/TMLES			VI MLES			R/T (400				RAT MILES
10547384	400	10823383		400	10205677	// 1002504	400	<del>                                     </del>			
	-			_							
Form, Name	Type:				ENLINE PORT	On Loca	Non I IAA	Started	Jöl.	Complete	d
Form. Thickness	From	To	Date	<u>C</u>	<b>alled Out</b> 5/18/06	5/18/0		17/06		5/17/06	
Packer Type Bottom Hole Temp	_Set At _Pressure				0130	T 0900	1	110		1343	
CIBP <u>3577</u>	Total De	pth	Time				Well Data			Total Cas	loa
Tools and A		5		asing mace	Naw/Used	Weight	Size Grade	From	To	t Qual VdS	
Type and Size	QtV	Make		mace medk				1	4000+		
Float Shoe				ductio		17.0	5 1/2	0	4000+		
Centralizers				III Pip ublng	Used	4.7	2 3/8	0	3,577		
Plug Limit Clamp						pen Hole	N/A	+ +		Holes	
Stage Tool			Perfo	ration	:5 :5						
Insert Float Guide Shoe			Perio	ration	15	- Anerel	ing Hours		Discript	on Of Job	
Weld-A Mate				ate	Location	Date	Hours	Di	EARE S	EE JOB LOG	
Mud Type HZ0 BASE	Density	9 Lb/Gal 8.33 Lb/Gal	5/1	8/06	6.00	5/18/06	1,50				
Disp. Fluid H20 Prop. Type Si	Density ze	8.33 Lb/Gal						Ţ			
Prop. TypeSi			-		<del> </del>						
Acid Type G	al.	_%									
SurfactantG		in	-								
Fluid Loss G	al/Lb	_in									
	al <u>/Lb</u> al/Lb	- <u>ln</u>	Total	 I	6.00	Total	1.50				
	av <u>uo</u> avuo					( Landard	c Horsepow	<u> </u>			
Blocking Agent	Gal/Lb		Order	ed		.lisvA	•	Usec	<u> </u>		
Perfpac Bails	Qty.					Average Disp.	Rates in BP	M Overall			
KCL substitute	f Ramid A	gua Gel	Treati	mg		Çemer	nt Left in Pipe	1	ner Requ	lost	
Other 28 Bags Of B	ariod Weig	ht Materail	Feet		and Data	Reason		Custo	HE REY		******
	Bulk/Sk	· · · · · · · · · · · · · · · · · · ·		Cen	Additives			W/Rq.	Yjeld	Lbs/Gal	Bbls
Stage Sacks Coment Plug 1 10 50/50/G/Poz	BULK				2% Gel			6.60	1.30	13.5 13.5	3
Plug 2 13 50/50/G/Poz					2% Gel						
	BULK						<del></del>		<u> </u>		1
	BUL		+	Ŝı	immary					V17=-	
Circulating RiG	Displac	ement RE	S PUMF		Fluid Ahead	Gal - bbl	- 4	Type: Calc.Di	so Bbl	Water 19	
Breakdown NO	Maximi Actual	um	1,500 URFACE	-	Calc Return/	Pit Sks	<u> </u>	Actual I	Disp.	19	-
Lost Returns NO Crnt Rtm#Bbl O	Calc. T	ot S	URFACE		Cmnt Slurry Total Volume	bbls			5 28		
Cmt Rtm#Sks 0	Frac. G	Gradient	N/A		I OMI VOIGIN						
AACISME INDIC		•									
THE INFORMATION	STATE	) HEREIN IS COR	RECT								
CUSTOMER REPRE	SENTAT					SIGNATUR	E				

ΙΔΙ	LIB	UR	TO	N	JOB	LOG		4396811	5/18/2006
	REGION AMERICA				MWA/CO	WIRY DUNTAIN		BEA / STATE  UT	SAN JUAN
MIRI IO/EMPL#					HES EMPLO	JONES		ZO	VAL ISOLATION
	248302 LOCATION				COMP	MY	<del> </del>		1870 TT #070 739-3522
FARN	INGTON		EN	CANA	DIL&GAS	<u> </u>	DARRELL	MOTT #970-739-3522	
	ICREY ANOUNT		İ		02 G	as			Description
	WELL LOCATION			70114	DEPART	MENT VTION 10	003	JOB PURPORE CODE 7528	5 1/2" PLUG TO ABANI
LEASE?	LAND	IWell No.		SEC!	T 190F	VIION IC		TWP/	RRG
	NDIAN	#36-			Dinos	s.(PSI)	36	29\$ 24E Job Descri	ption / Remarks
Chart :	Time		Volume	T C	Too	Cag	1 :		
No.	0:20	(BPM)	(BOLLIGAL)	1	100	T	ARRIVED	ON LOCATION	
8-May	6:30 6:35		}	$\vdash$	<del>                                     </del>		LOCATIO	N ASSESSMENT &	SAFETY MEETING
	6:40		<del>                                     </del>	$\vdash$	<del>                                     </del>		START A	ND CHECK EQUIPA	MENT
	7:40		1	H	1		TAGGED	CEMENT 90' LOW	@2270' TOP OFF
	8:22		<del>                                     </del>	11	1	1254	START J	OB AND PRESSURI	TEST TO 1500PSI
	8:23	2	3	11	1	344	PUMP H		
	8:24	2	2.5	$\sqcap$	<del>                                     </del>	138		EMENT @13.5#	
	8:29	<u>-</u> -	1	1-1-	1	123	PUMP D	SPLACEMENT	
	8:31	2	7	$\sqcap$		123	PUMP G	EL TOC @2175	
	8:35		8.3	11				OWN TURN OVER T	O RIG TO POOH
	9:48			T			RIG RAN	ONE STAND @50	
<del></del>	9:51	······································	1		1		START J	OB	
	9:52	2	3		T	6	LOAD H		
	10:03	2	5	T		16	PUMP C	EMENT @13.5#	
	10:09		5	T	1	0	SHUT D	OWN GOT CEMENT	TO SURFACE
	10:10	·		17			WAIT OF	N RIG TO RIG DOW	N FLOOR AND BOP
	10:50								DAND CAN NOT PUMP DOWN
							THE BA	CKSIDE	ALT OFFILE LIEAD
	11:00								CUT OFF WELL HEAD
	13:30							R ARRIVED	
	15:01			$\coprod$			START		
	15:03	2	3.5			2	LOAD H		
,	15:12	2	4			162	PUMP C	EMENT @13.5#	TO SUPEACE
	15:15	1	3.8			162		ATED 1 BBL CEME	NI TO SUNTAGE
	15:17						TOP OF		
	15:17			$\perp \perp$			END JO	<u> </u>	
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Ha		)Uľ	to	n	1				4396811	5/18/2006
NORTH A	REGION A BAILE DAC	A LAND			501	CKY MC		N .	Utah	San Juan
	+			LES BUTLOY	EE NAME			RELDEPARTMENT		
	<u> </u>	₹04	ine	y Harde	<b>STV 125</b>	314	2011	AL ISOLATION		
FARM				Enca	na		Darrell N	lott (970) 739 - 3522		
1	CKET AMOUNT					02 G/	-			
W	WELL LOCATION					DEPARTN ISOLA		0003	7528	PTA Description
LEASE/	WELL#	IWell No.	- \$	E/	<u>WI</u>	, 130LA	IION I	0003	TWP/	RNG
Big Indian		#36-4	2 Volume	i E m	nal.	Press	(PSI)	<del></del>	Job Descrip	tion / Remarks
Chart	Time			T			Cso	┨ ・ :		
No. 18-May	0900	(BPM)	(martinery)	$\dot{\Box}$	Ť	408		ARRIVEO	ON LOCATION	
10-may	0915			Н		-			N ASSESSMENT &	
	0930				T				UIPMENT AND RIG	
	1030								E JOB SAFETY ME	TING.
	1110							START J		
	1111	0.5	2_	X	Ц	1770			PUMP AND LINES.	
	1112	1.5	89	X	Ц	20	ļ		UD TO LOAD HOLE.	
	1246_	2	2	X	Ш	200			RESH WATER	<u> </u>
	1247	2	2.3	ίX	Щ	225	<del> </del> -		EMENT @ 13.5#. SPLACEMENT.	
	1248	2	12 XXXX	X	Н	250 XXXX			VER TO RIG TO PUL	L TUBING.
	1255	XXXX	. X X X X	쓴		***	<del>                                     </del>	TORNO	<u> </u>	
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### **ENCANA OIL & GAS**

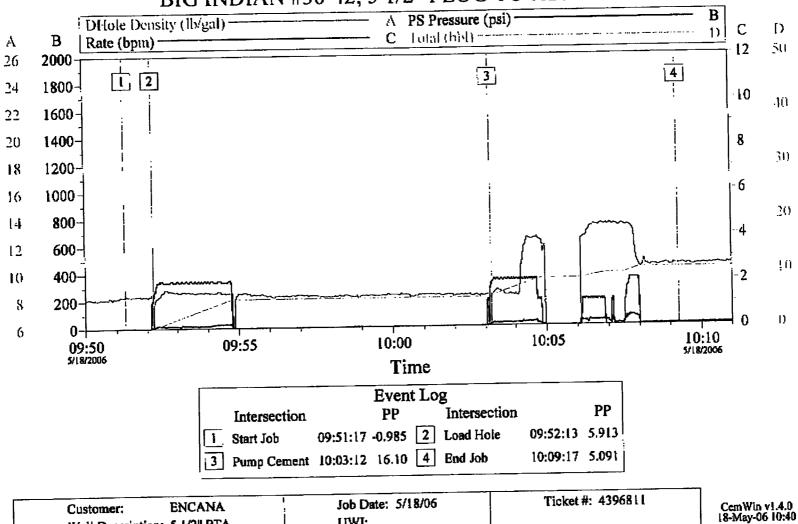
BIG INDIAN #36-42, 5 1/2" PLUG TO ABANDON



Customer:	ENCANA	Job Date: 5/18/06	Ticket #: 4396811
Well Description	: 5 1/2" PTA	UWI:	

CemWin v1.4.0 18-May-06 15:41

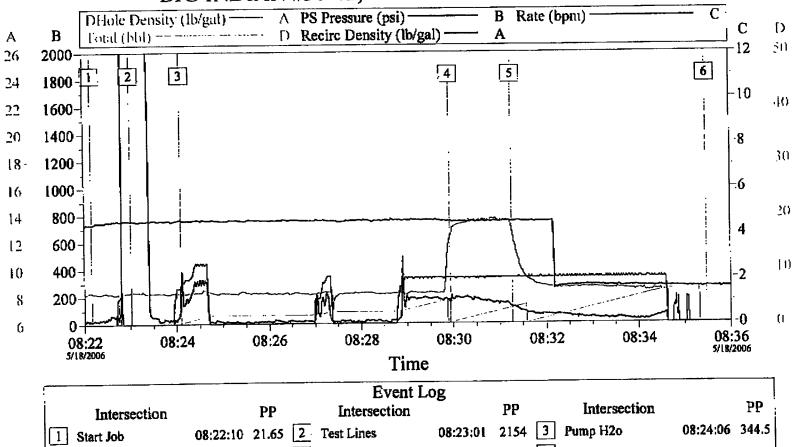
# **ENCANA OIL & GAS** BIG INDIAN #36-42, 5 1/2" PLUG TO ABANDON



Customer: ENCAN	A ¦	Job Date: 5/18/06	Ticket #: 4396811
Well Description: 5 1/2" P	TA	UWI:	

## **ENCANA OIL&GAS**

BIG INDIAN #36-42, 5 1/2" PLUG TO ABANDON

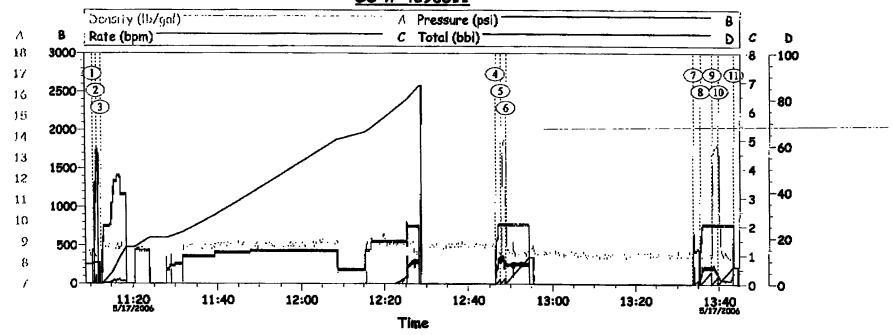


	Intersection		PP	Intersection		PP	Intersection		LI	i
	1 Start Job	08:22:10	21.65 2	Test Lines	08:23:01	2154	3 Pump H2o	08:24:06	344.5	
	4 Pump Cement	08:29:56	138.9 5	Pump Displacement	08:31:17	123.3	6 End Job	08:35:29	-9.477	
1										

Customer: ENCANA OIL&GAS	Job Date: 5/18/06	Ticket #: 4396811	CemWin v I.4.0
Well Description: 5 1/2" PTA	UWI:		18-May-06 09:38

# Encana

### Plug To Abandon 50 # 4396811



		Event Log			
Intersection	PP	Intersection	PP	Intersection	PP
1 Start Job	11:10:31 2,782 ②	Psi Test Pump And Lines	11:11:20 1770 ③	Pump Mud And Load Hole	11:12:29 -18,72
4 Pump Fresh	12:46:21 -12.17 ③	Pump Cement	12:47:34 332.1 6	Pump Displacement	12:48:49 291,3
Circulate Well	13:33:42 -18,38 🔞	Pump Cement	13:35:23 99.72 9	Pump Displacement	13:38:09 214,5
100 Pump Displacement	13:39:39 126.4 🕕	End Job	13:43:18 -10.36		
<u></u>					

### REGULATORY COMPLETION SUMMARY



Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 05/18/2006

Report #: 112

**End Time** 6:00 PM

Description

AFE #: 4831590

Summary: Safety meeting w/ all on loc. (Utah state man brat Kettle on loc.) RIH w/ tbg & tag cmt 50' low (tag @ 2250') pump 10 sx of cmt & put on top of plug @ 2250' to 2347' to make sure shoe is covered. POOH w/ tbg laying down & set 50' curface plug in 5-1/2 casing w/ 6 sx 50/50 pozmix 13.5# cmt. N/D BOP & wellhead, RDMO Key #31. Dug wellhead out & cut off curface casing & 5-1/2 casing off @ 5' below G/L & fill casing w/ mud & pump 50' curface plug w/ 1" pipe w/ 11 sx 15.5# 50/50 pozmix cmt RDMO Haliburton. Weld on

dry hole marker plate & cover up hole,

Safety meeting w/ all on loc. (Utah state man brat Kettle on loc.) RIH w/ tbg & tag cmt 50' low (tag @ 2250') pump 10 sx of cmt & put on top of plug @ 2250' to 2347' to make sure shoe is covered. POOH w/ tbg laying down & set 50' curface plug in 5-1/2 casing w/ 6 sx 50/50 pozmix 13.5# cmt. N/D BOP & wellhead, RDMO Key #31. Dug wellhead out & cut off curface casing & 5-1/2 casing off @ 5' below G/L & fill casing w/ mud & pump 50" curface plug w/ 1" pipe w/ 11 sx 15.5# 50/50 pozmix cmt RDMO Haliburton. Weld on dry hole marker

plate & cover up hole, well is P&A. SDFD.

Well Name: Big Indian 36-42

well is P&A. SDFD

API: 4303731827

Area: Big Indian

Ops Date: 05/17/2006

Report #: 111

**End Time** 

6:00 PM

Description

AFE #: 4831590

Summary: Safety meeting w/ all on loc. TP- 50 PSI, bleed well down & PU Baker CIBP & RIH w/ tbg to 3577' & set plug. MIRU Haliburton & mix & circulate hole w/ 9# mud, pump 10 sx 50/50 poxmix cmt & set on top of CIBP. POOH, lay down 44 jts tbg to 2180' & pump 13 sx of 50/50 pozmix 13.5# cmt & set plug from 2180' to 2300' @ 2:00 p.m. POOH w/ tbg & take off Baker setting tool & RIH w/ tbg, let well set for 4 hrs (2:00 - 6:00 p.m.) & RIH to tag ballanced plug & no tag, cmt not set up, pull out above plug 5 stds & SWIFN. (Utah State man Bart Kettle on

Safety meeting w/ all on loc. TP- 50 PSI, bleed well down & PU Baker CIBP & RIH w/ tbg to 3577' & set plug. MIRU Haliburton & mix & circulate hole w/ 9# mud, pump 10 sx 50/50 poxmix cmt & set on top of CIBP. POOH, lay down 44 jts tbg to 2180' & pump 13 sx of 50/50 pozmix 13.5# cmt & set plug from 2180' to 2300' @ 2:00 p.m. POOH w/ tbg & take off Baker setting tool & RIH w/ tbg, let well set for 4 hrs (2:00 - 6:00 p.m.) & RIH to tag ballanced plug & no tag, cmt not set up, pull out above plug 5 stds & SWIFN. (Utah State man

Bart Kettle on loc.)

Well Name: Big Indian 36-42

API: 4303731827

Area: Big Indian

Ops Date: 05/16/2006

Report #: 110

End Time

Description

AFE #: 4831590

6:00 PM

Safety meeting w/ all on loc. MIRU Key rig #31 & spot all rig equipment on loc. Bleed well off (900 PSI) & N/D well head & N/U

BOP. POOH w/ tbg tally out & PKR . SDFN.

Summary: Safety meeting w/ all on loc. MIRU Key rig #31 & spot all rig equipment on loc. Bleed well off (900 PSI) & N/D well head & N/U BOP. POOH w/ tbg tally out & PKR SDFN. (Note state of Utah notafided &

Bret kettle will be on loc.)x

API: 4303731827

Area: Big Indian

Ops Date: 02/17/2006

Well Name: Big Indian 36-42

Report #: 109 **End Time** 

Description

AFE#: 4831590

6:00 PM

Well shut in w/ pressure gauges set in 1.81 F-nipple and w/ 900 psi @ wellhead. R/U Phoenix SL and pull pressure gauges and left well

shut in

Summary: Well shut in w/ pressure gauges set in

1.81 F-nipple and w/ 900 psi @ wellhead. Pull pressure gauges and left well shut in.

June 2, 2006 10:29 AM

### REGULATORY COMPLETION SUMMARY



 Well Name : Big Indian 36-42
 API : 4303731827
 Area : Big Indian

 Ops Date : 02/16/2006
 Report # : 108
 End Time
 Description

AFE #: 4831590 6:00 PM Well shut in w/ pressure gauges set in 1.81 F-nipple and w/ 900 psi

@ wellhead.
Summary: Well shut in w/ pressure gauges set in
1.81 F-nipple and w/ 900 psi @ wellhead.

Well Name: Big Indian 36-42 API: 4303731827 Area: Big Indian

 Ops Date : 02/15/2006
 Report # : 107
 End Time
 Description

 AFE # : 4831590
 6:00 PM
 ell shut in w/ pressure gauges set in 1.81 F-nipple and w/ 900 psi @

Summary: Well shut in w/ pressure gauges set in

1.81 F-nipple and w/ 900 psi @ wellhead.

Well Name: Big Indian 36-42 API: 4303731827 Area: Big Indian

 Ops Date : 02/14/2006
 Report # : 106
 End Time
 Description

 AFE # : 4831590
 6:00 PM
 Well shut in w/ pressure gauges set in 1.81 F-nipple and w/ 860 psi

@ wellhead.
Summary: Well shut in w/ pressure gauges set in
1.81 F-nipple and w/ 860 psi @ wellhead.

Well Name: Big Indian 36-42 API: 4303731827 Area: Big Indian

Ops Date: 02/13/2006 Report #: 105 End Time Description

AFE #: 4831590 Fig. 6:00 PM Well shut in w/ pressure gauges set in 1.81 F-nipple and w/ 830 psi

AFE #: 4831590 6:00 PM Well shut in w/ pressure gauges set in 1.81 F-nipple and w/ 830 psi @ wellhead.

Summary: Well shut in w/ pressure gauges set in

Well Name: Big Indian 36-42 API: 4303731827 Area: Big Indian

 Ops Date : 02/10/2006
 Report # : 104
 End Time
 Description

 AFE # : 4831590
 6:00 PM
 Well shut in w/ pressure gauges set in 1.81 F-nipple and w/ 720 psi

@ wellhead.

Summary: Well shut in w/ pressure gauges set in

Well Name: Big Indian 36-42 API: 4303731827 Area: Big Indian

Ops Date : 02/09/2006 Report # : 103 End Time Description

AFE #: 4831590 6:00 PM Well shut in w/ pressure gauges set in 1.81 F-nipple and w/ 690 psi @ wellhead.

Summary: Well shut in w/ pressure gauges set in

Well Name: Big Indian 36-42 API: 4303731827 Area: Big Indian

 Ops Date : 02/08/2006
 Report # : 102
 End Time
 Description

 AFE # : 4831590
 6:00 PM
 Well shut in w/ pressure gauges set in 1.81 F-nipple and w/ 630 psi

@ wellhead.

Summary : Well shut in w/ pressure gauges set in

1.81 F-nipple and w/ 630 psi @ wellhead.

Well Name : Big Indian 36-42 API : 4303731827 Area : Big Indian

Ops Date: 02/07/2006 Report #: 101 End Time Description

AFE #: 4831590 6:00 PM Well shut in w/ pressure gauges set in 1.81 F-nipple and w/ 620 psi @ wellhead.

@ wellhead.
Summary : Well shut in w/ pressure gauges set in
1.81 F-nipple and w/ 620 psi @ wellhead.

1.81 F-nipple and w/ 830 psi @ wellhead

1.81 F-nipple and w/ 720 psi @ wellhead

1.81 F-nipple and w/ 690 psi @ wellhead